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THE

NEW YORK CITY RECORD

AND

BUILDING TRADES DIRECTORY.

CONTAINING

A COMPLETE DIRECTORY OF ALL BRANCHES OF TRADES ENGAGED IN THE ERECTION AND CONSTRUCTION OF BUILDINGS, AND THE FURNISHING AND MANUFACTURING OF MATERIAL FOR BUILDING PURPOSES.

THE LAWS, RULES AND REGULATIONS GOVERNING THE ERECTION AND ALTERATION OF BUILDINGS, ADOPTED BY THE LEGISLATURE OF 1892, FOR THE CITY AND COUNTY OF NEW YORK, AND MECHANICS' LIEN LAWS.

THE SANITARY AND PLUMBING LAWS, WITH THE SPECIFICATIONS THERETO ADOPTED AND APPROVED BY THE DEPARTMENT OF BUILDINGS, OF NEW YORK CITY.

A COMPLETE DIRECTORY OF ALL THE DEPARTMENTS AND BUREAUS OF THE CITY GOVERNMENT, LOCATION AND OFFICE HOURS, THE HEAD OFFICIALS AND CHIEF CLERKS THEREOF, WITH NAME, POSITION AND SALARY.

10624

A COMPLETE WARD ATLAS OF NEW YORK CITY, CORRECTED FROM OFFICIAL SOURCES, UP TO DATE.

1892

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THE NEW YORK CITY RECORD PUBLISHING CO.

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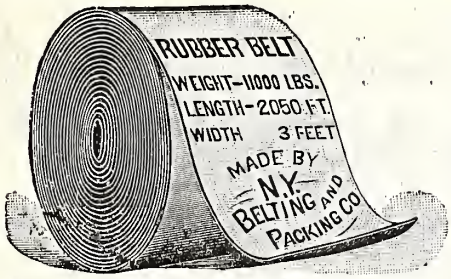

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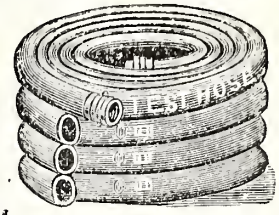

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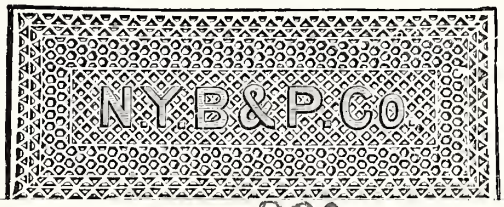

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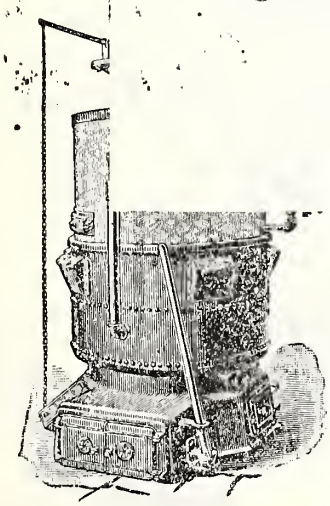

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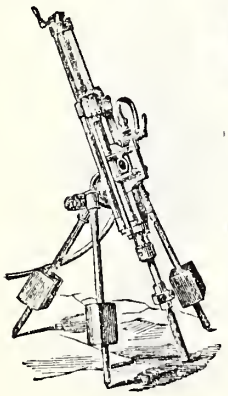

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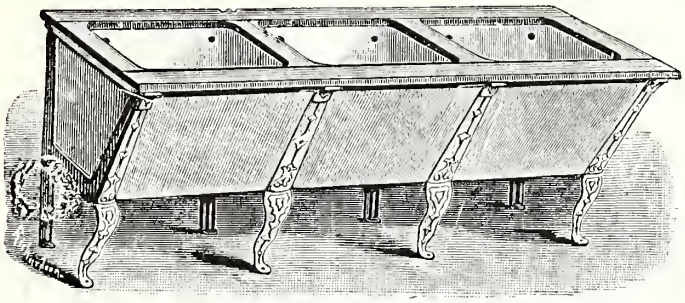

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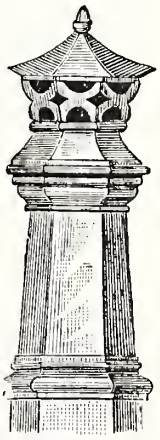

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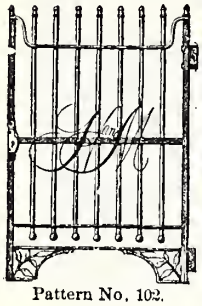
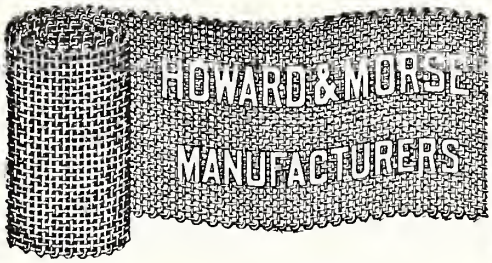
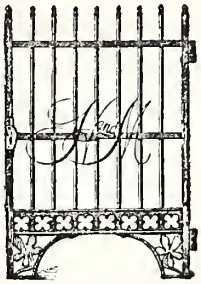


Pattern No. 102.



Wire Cloth, partly unrolled.



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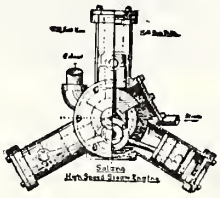
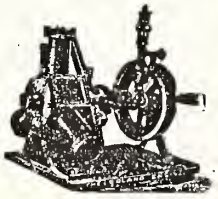


Half Front View and Half Cross Section of the Solano Engine.



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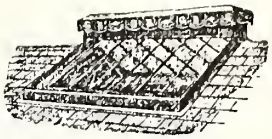

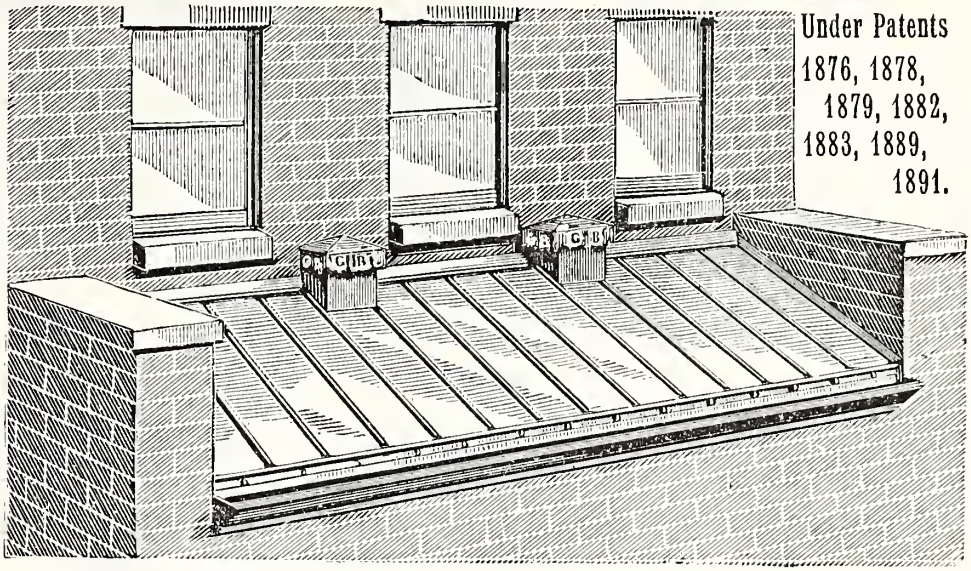

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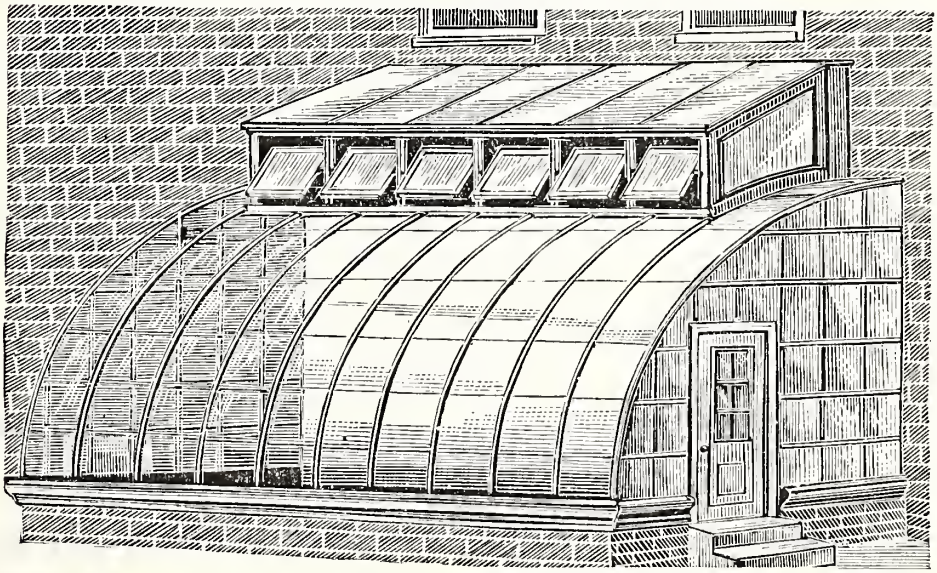

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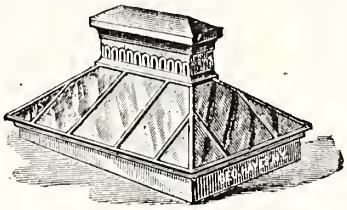
71 Eighth Ave.,  NEW YORK.

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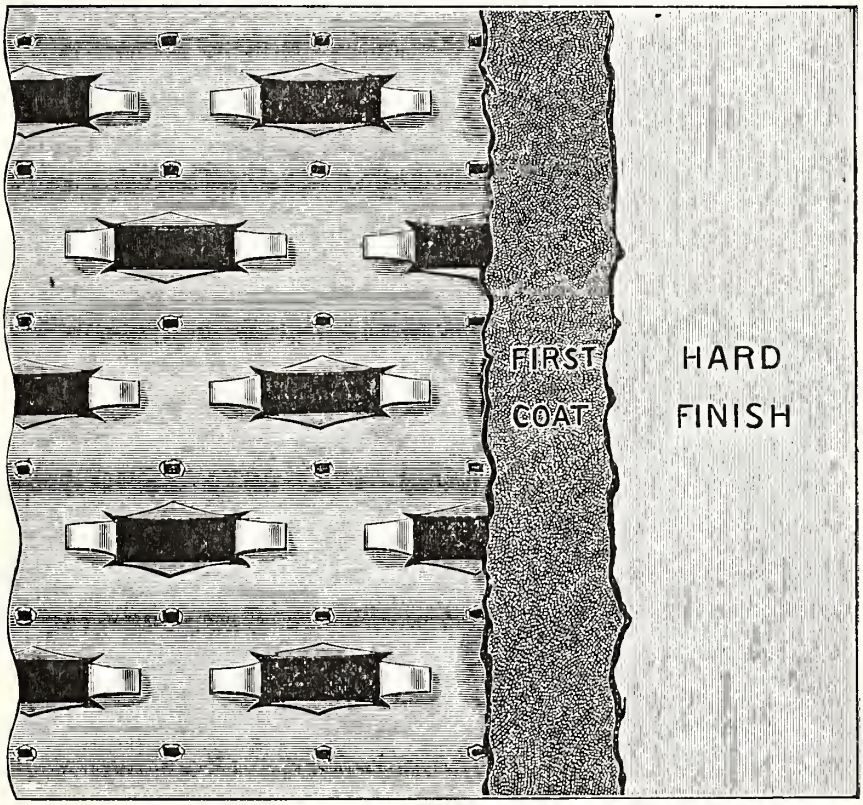

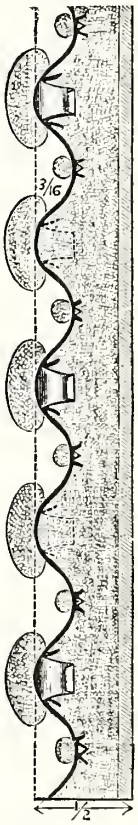

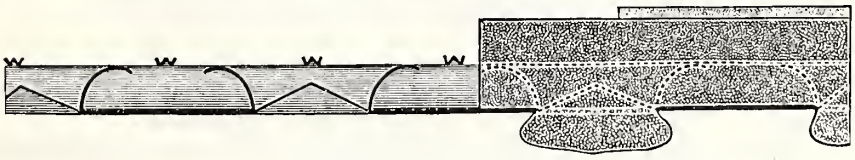

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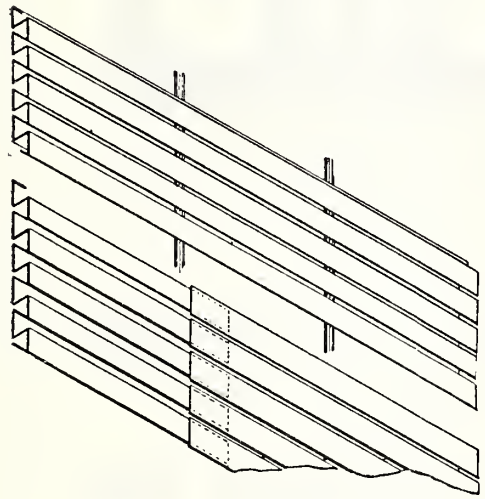
BAILEY'S PATENT
FIRE-PROOF BUILDING MATERIAL.



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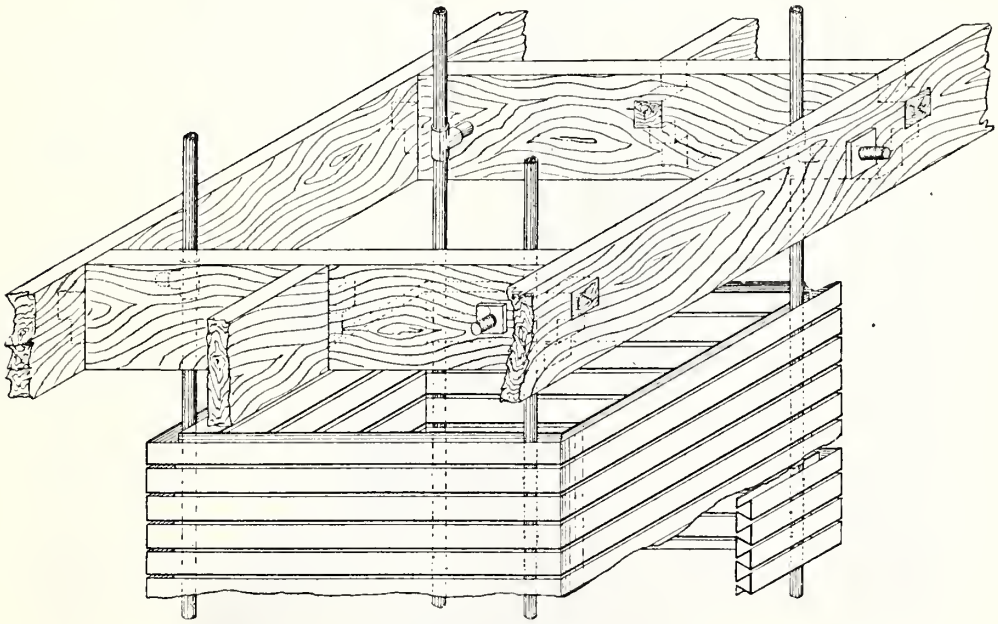

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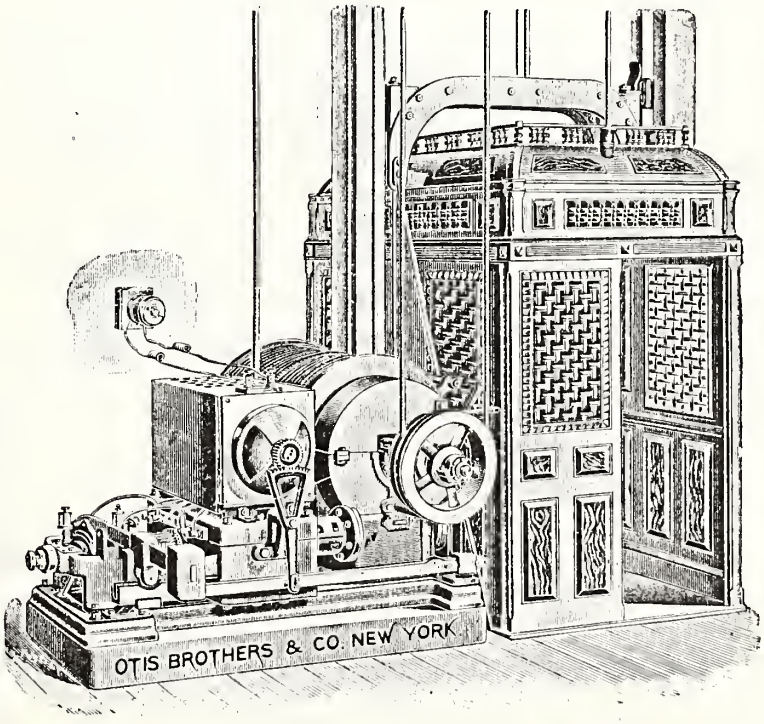

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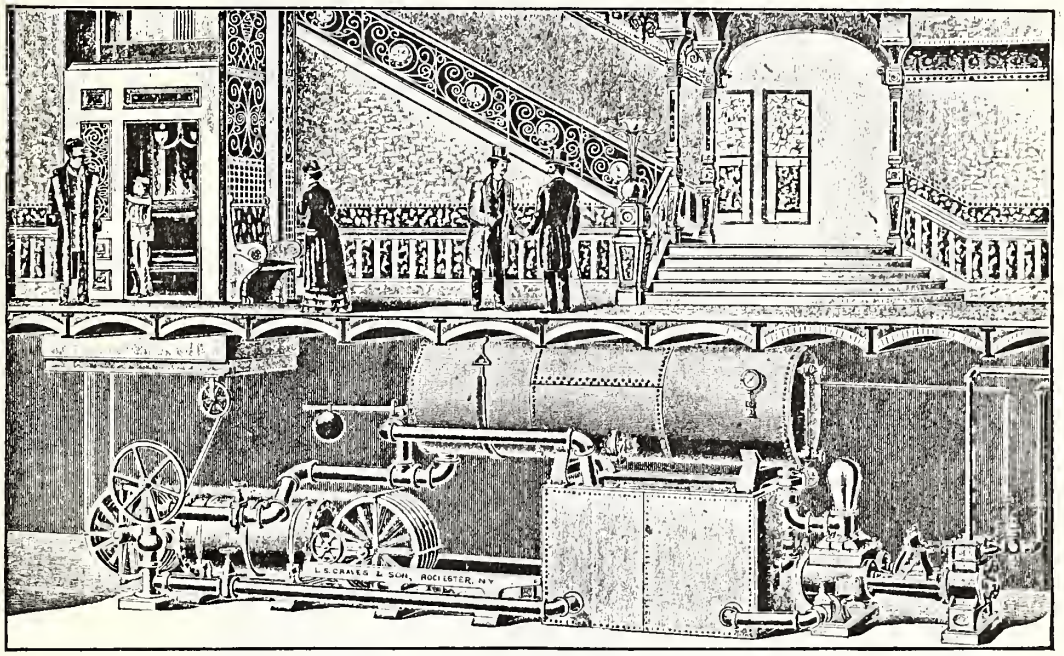

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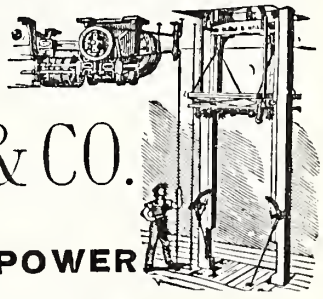

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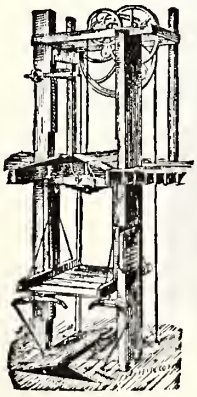

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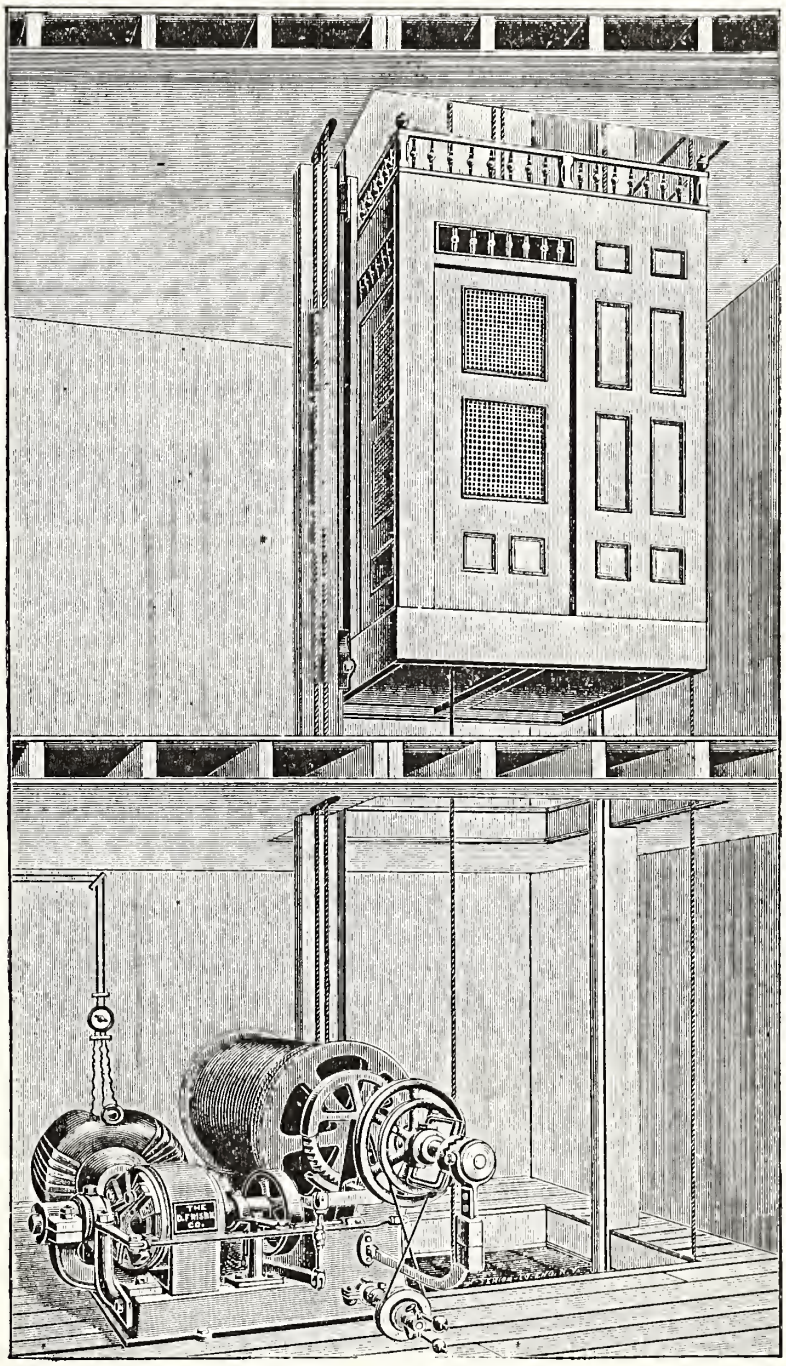

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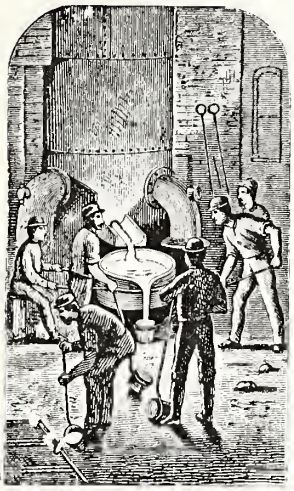

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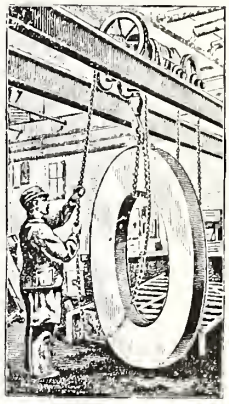

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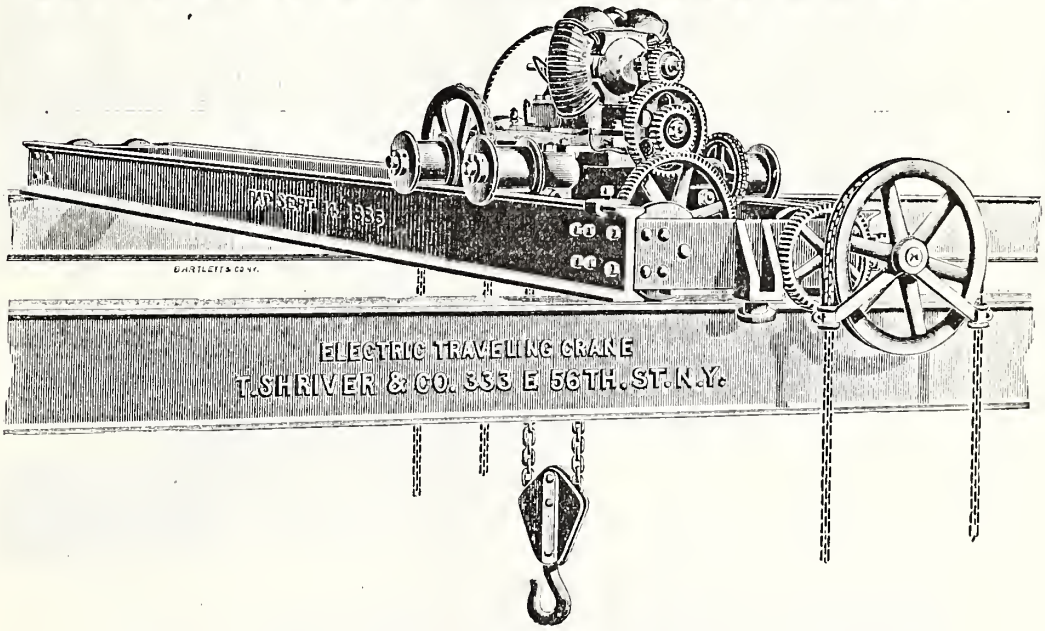

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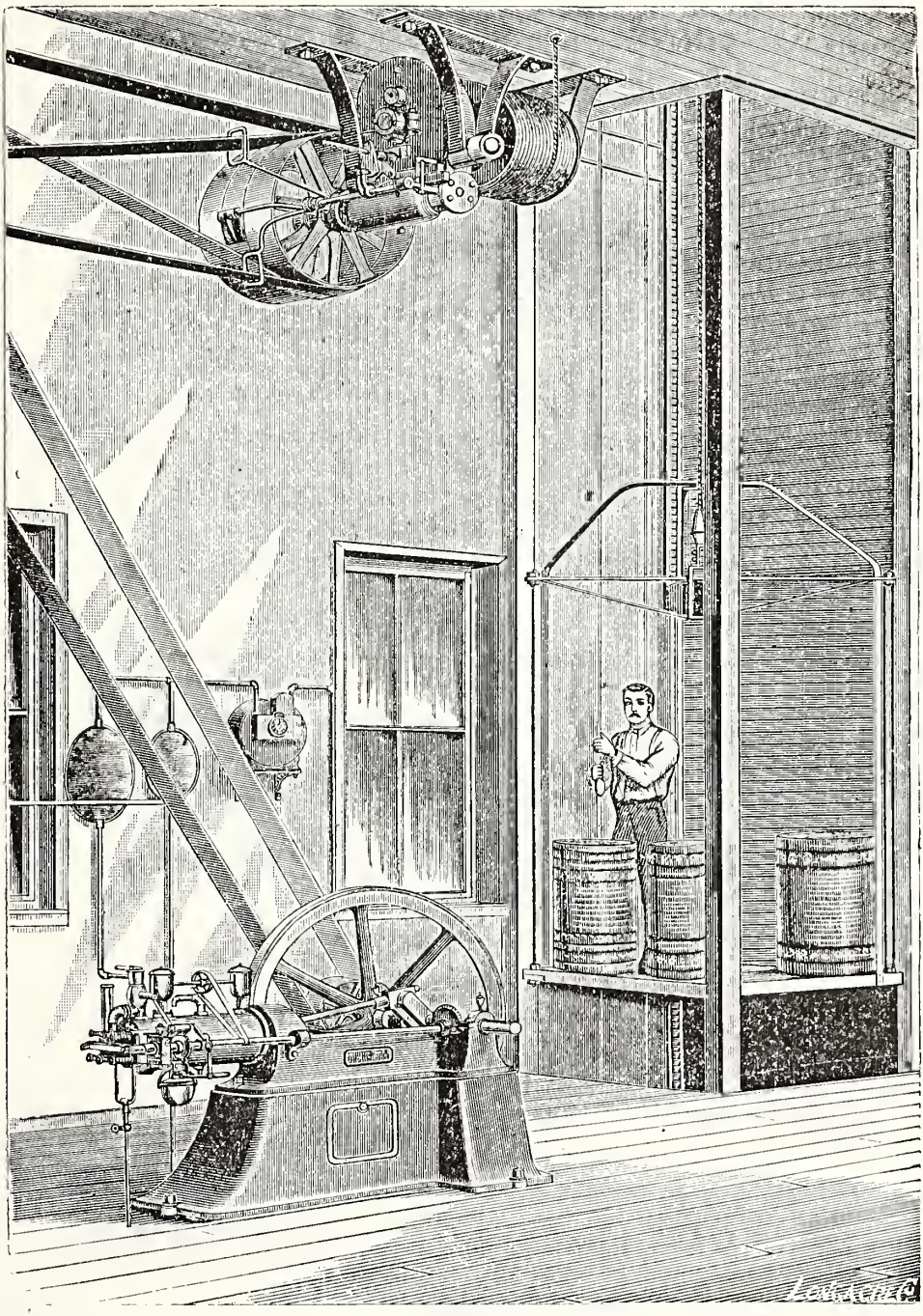

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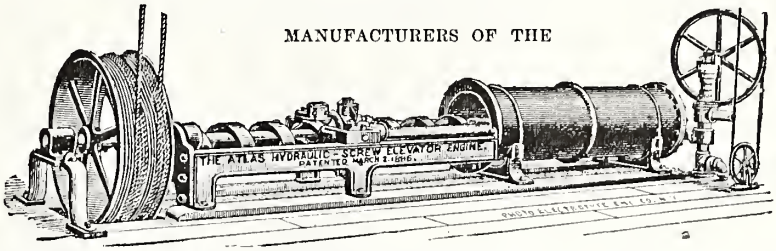

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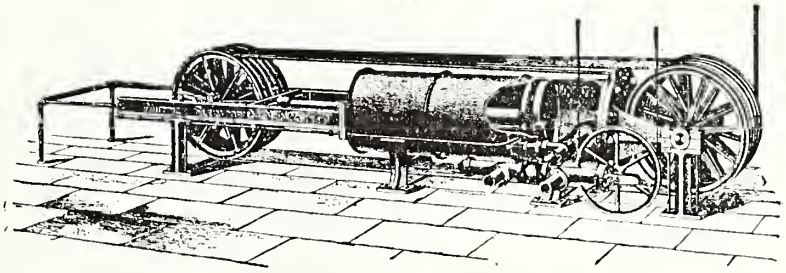

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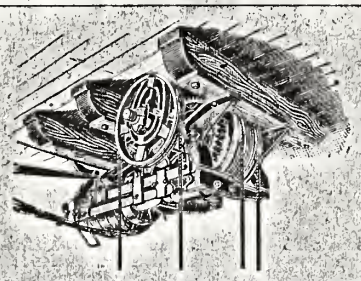

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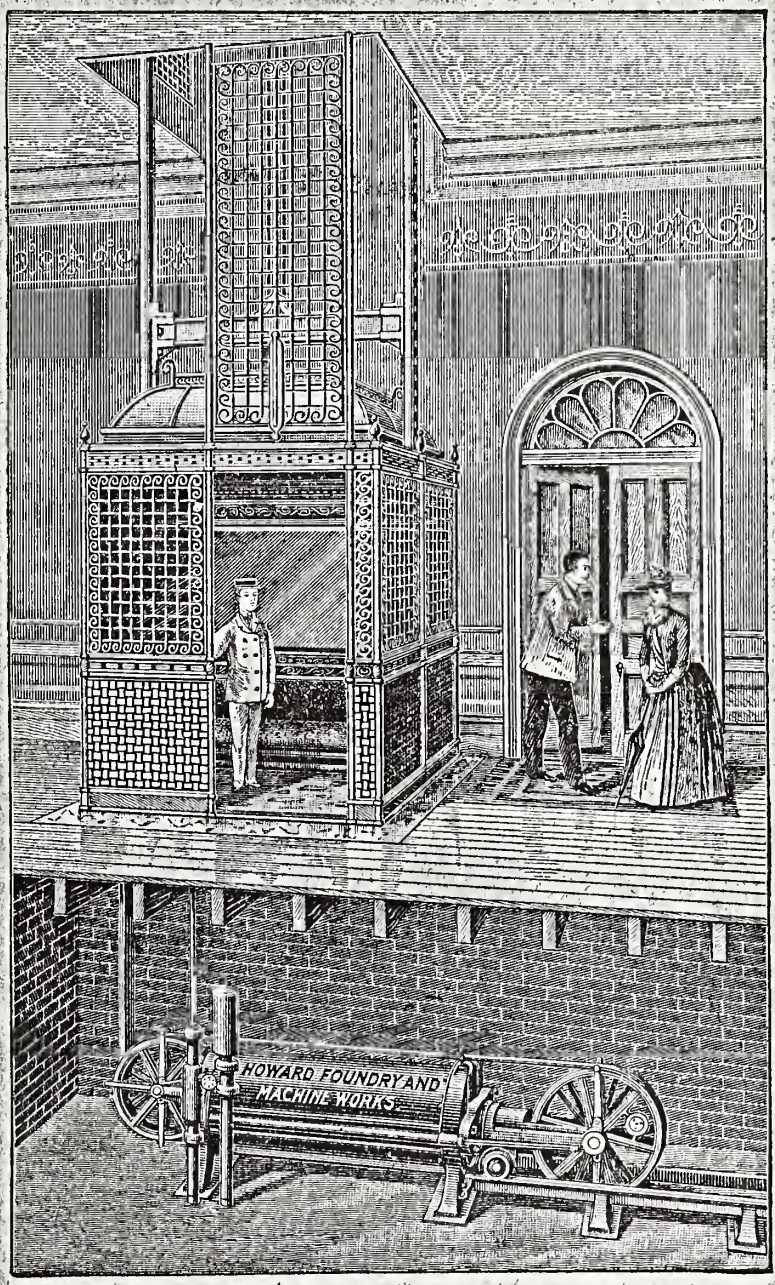

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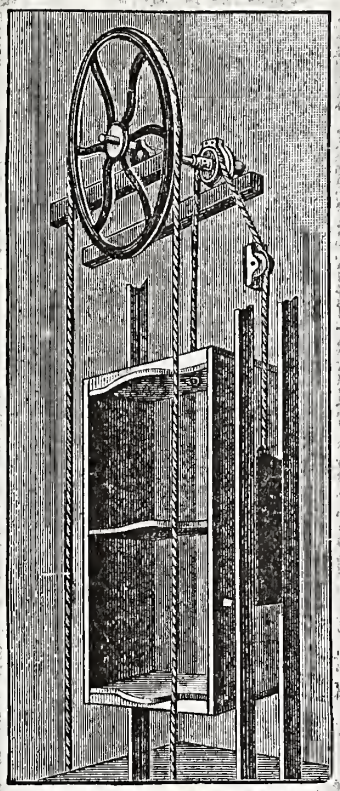

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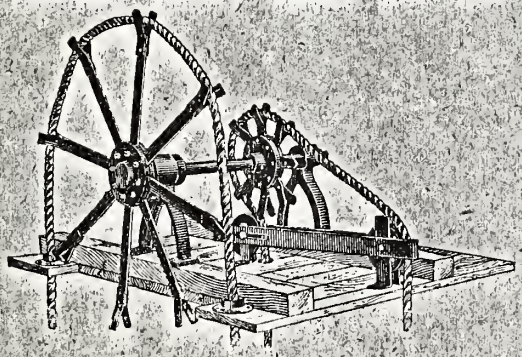

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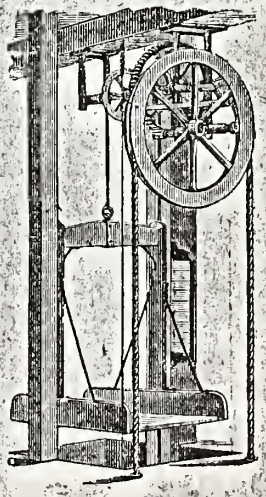

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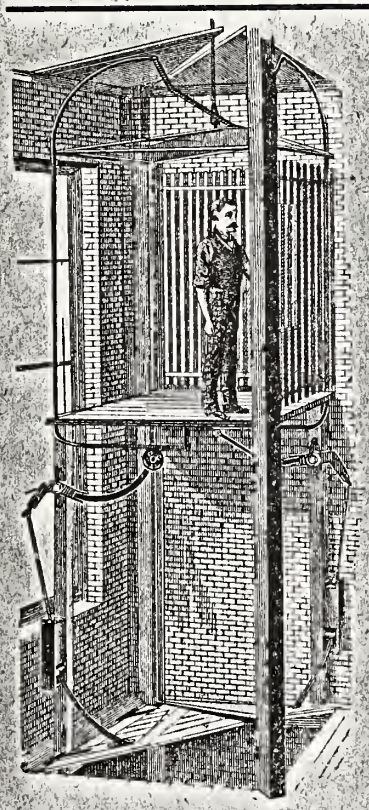

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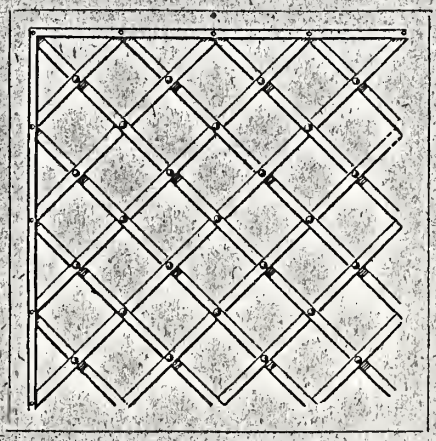

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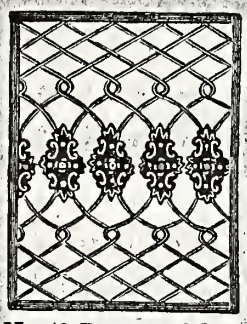

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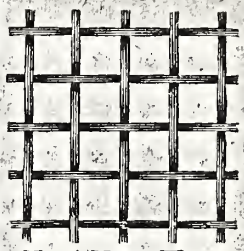
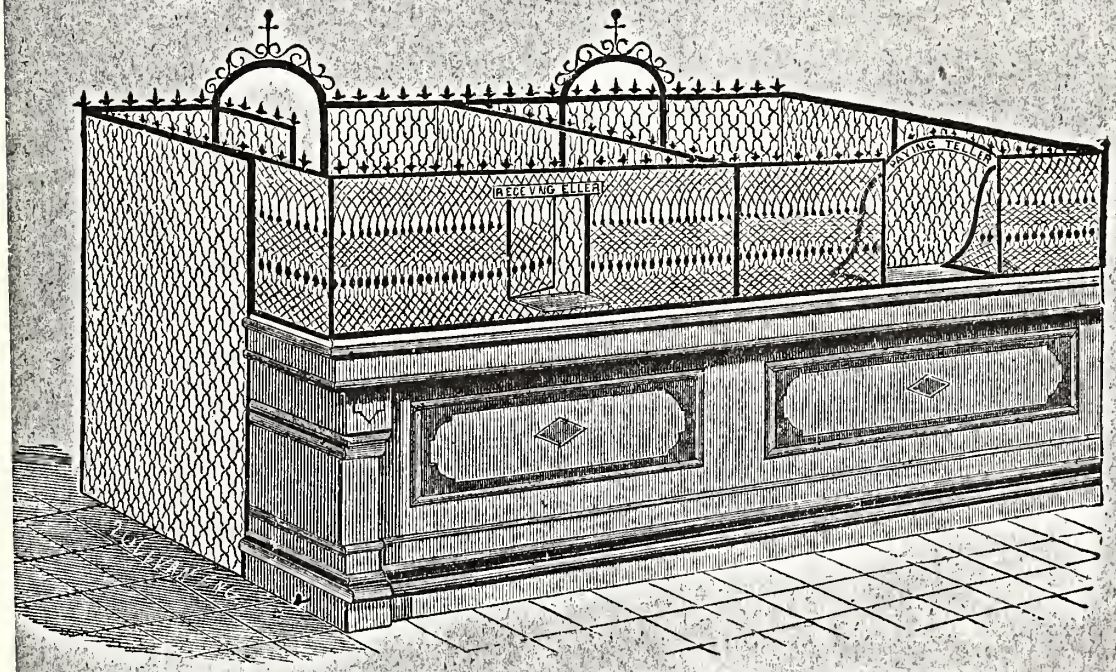


No. 4 MESH WIRE CLOTH.



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This cut shows how an office may be fitted entirely with wire railings and wire work partitions arranged for the cashier, teller and clerk's desk, having every convenience and protection against those sudden attacks from robbers to which all tellers and cashiers are exposed while in the discharge of their duties. The work may be made of any pattern, and provided with such cash holes, doors and openings as are best suited to the requirements of the office. Estimates furnished on application.

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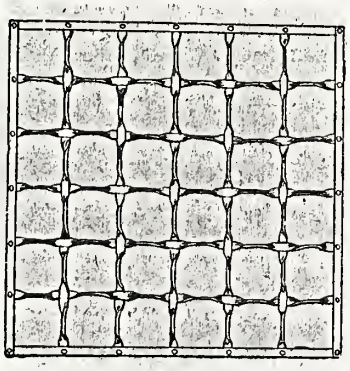

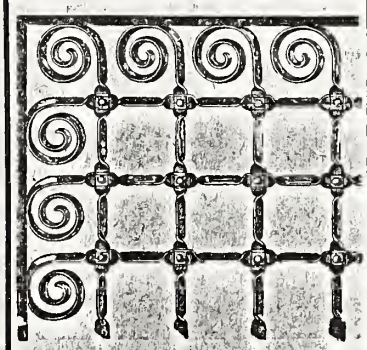

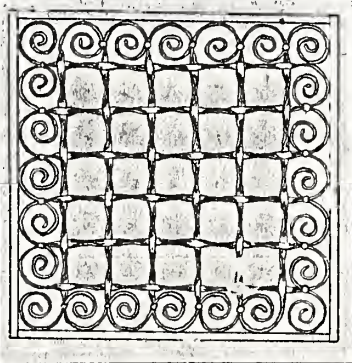

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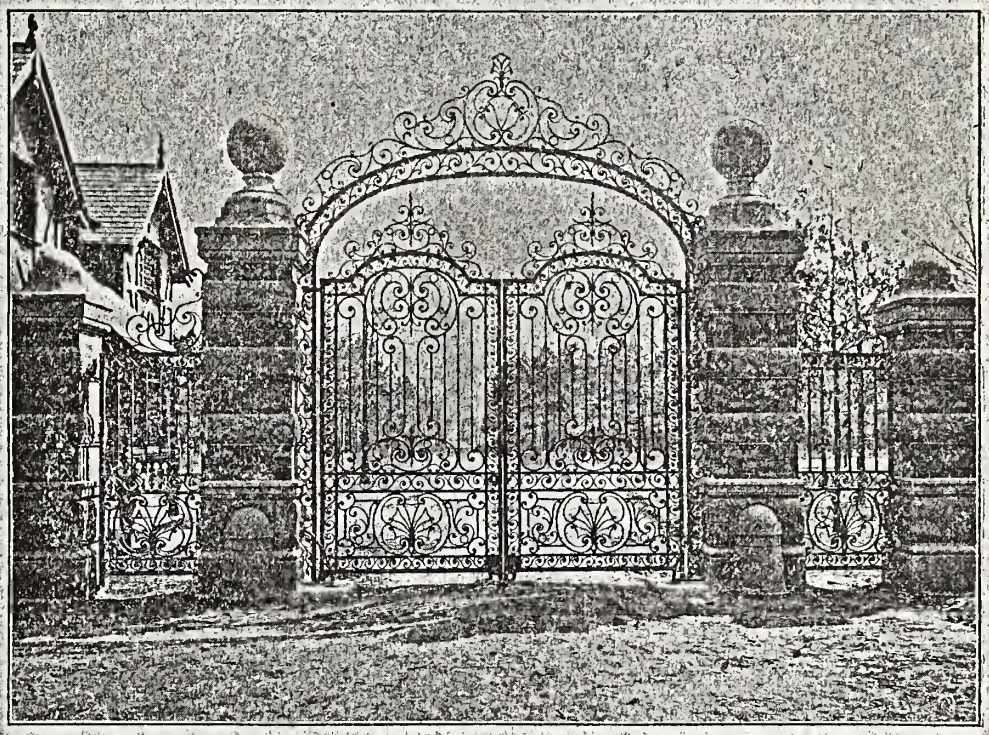

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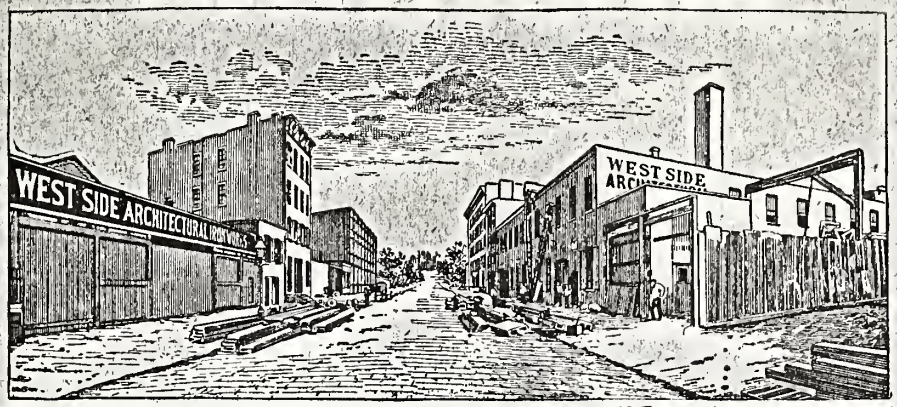

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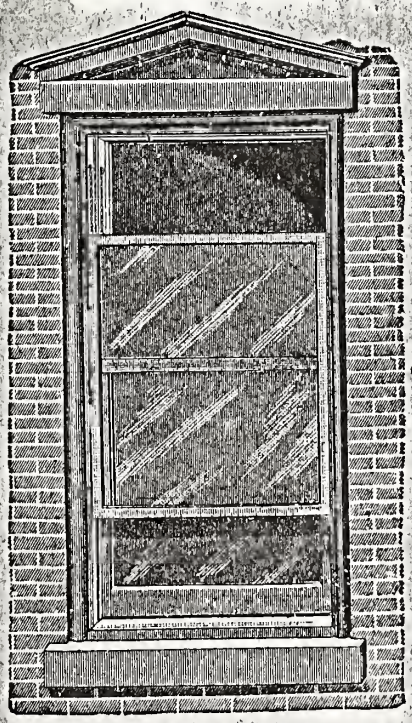

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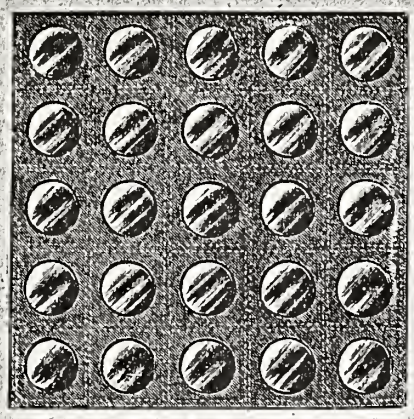
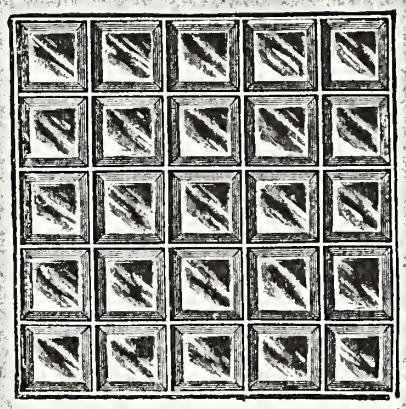


No. 1. TOP VIEW

Patented December 9, 1890.



No. 2. BOTTOM VIEW.

Lenses, 2 in. and 3 in. Square.

AS illustrated in the above cuts, the lenses in this, our new Square Opening Concrete Light, are round on top and square at the bottom, each lens thus having a larger distributive area than its attractive or upper surface, whereby its diffusive qualities are greatly increased. In all other vault light work of a like nature the lenses are of the same diameter top and bottom, and when set in the plates the under portion has a smaller area than the top, as the bearing of the tiles on which the glasses are set obstruct just so much of the light passing through each lens as to make loss of the actual light area nearly fifteen per cent., while by using the square bottom lenses we gain really double this per cent., and by setting each lens in a separate light opening, each directly connected, we are enabled to set so many more to each square foot, and thus we gain an additional per cent. of light area, making a total increase above all other styles of concrete work of fifty per cent., as these figures show:

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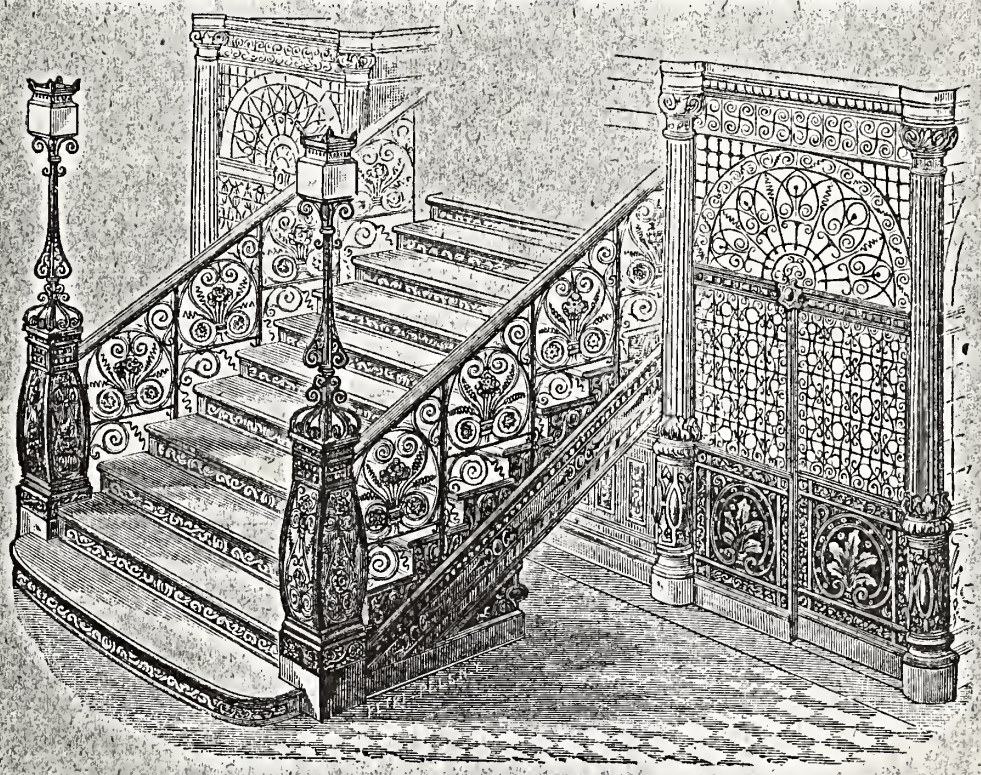

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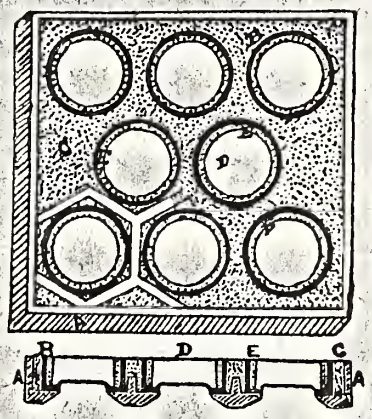

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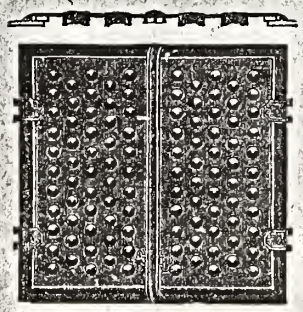

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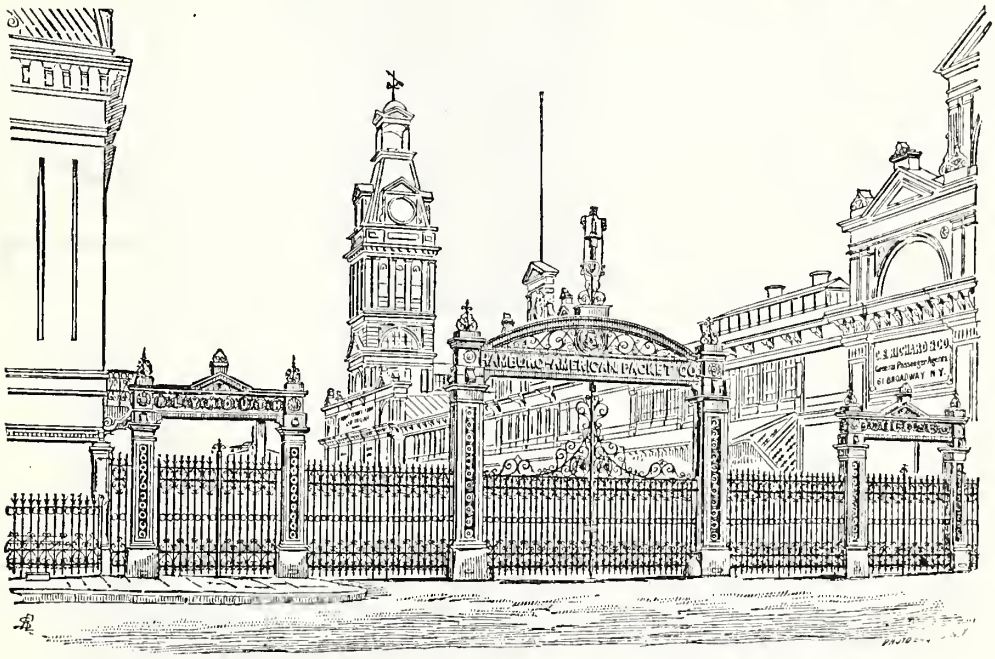

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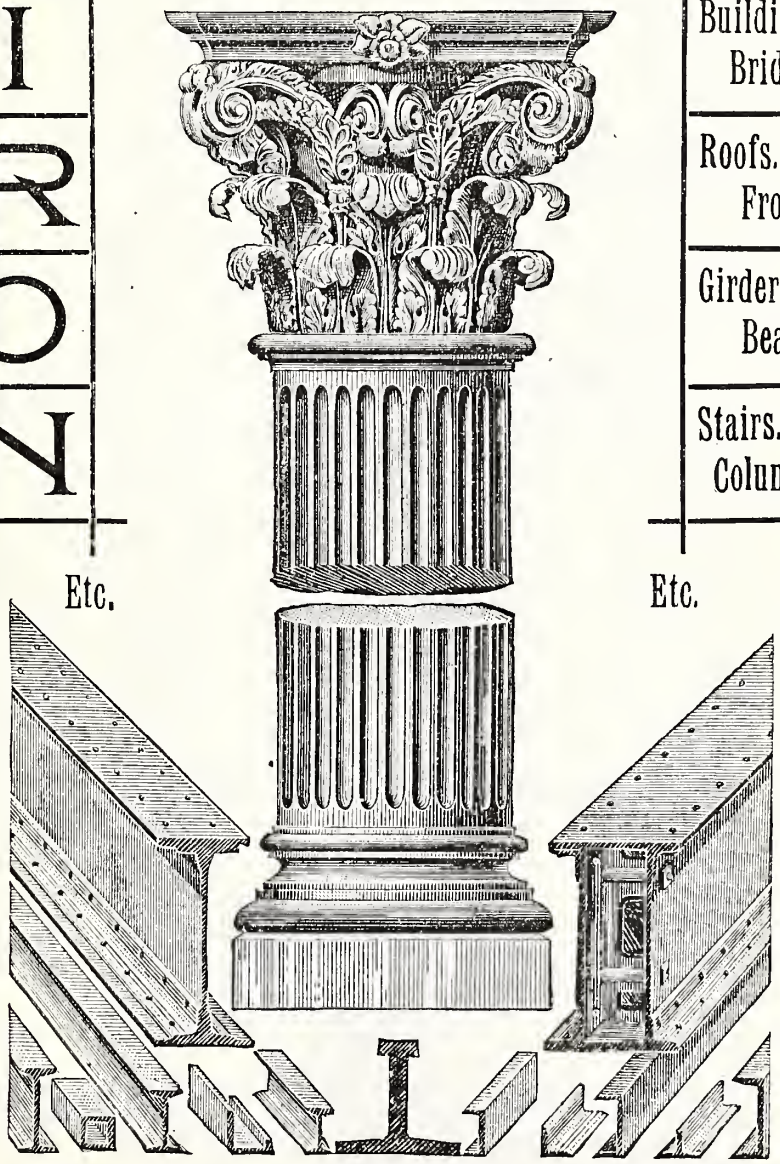

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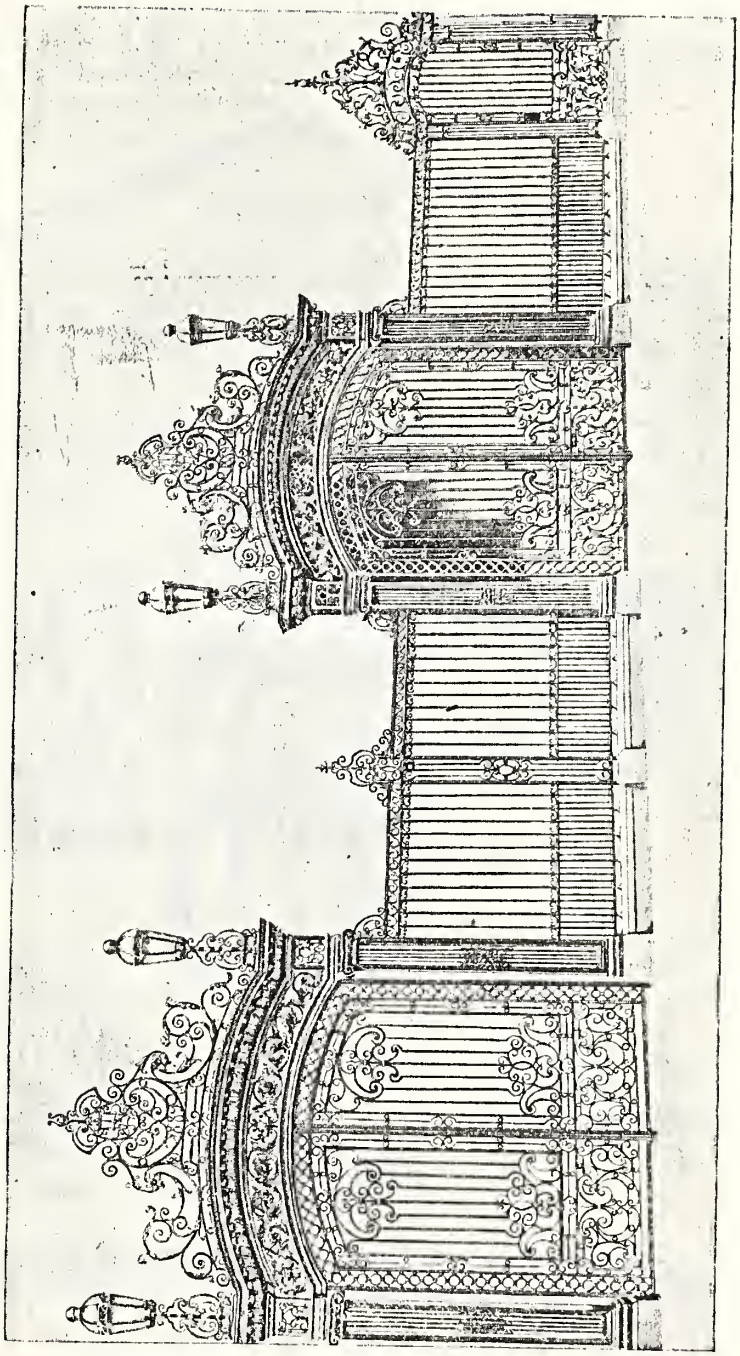

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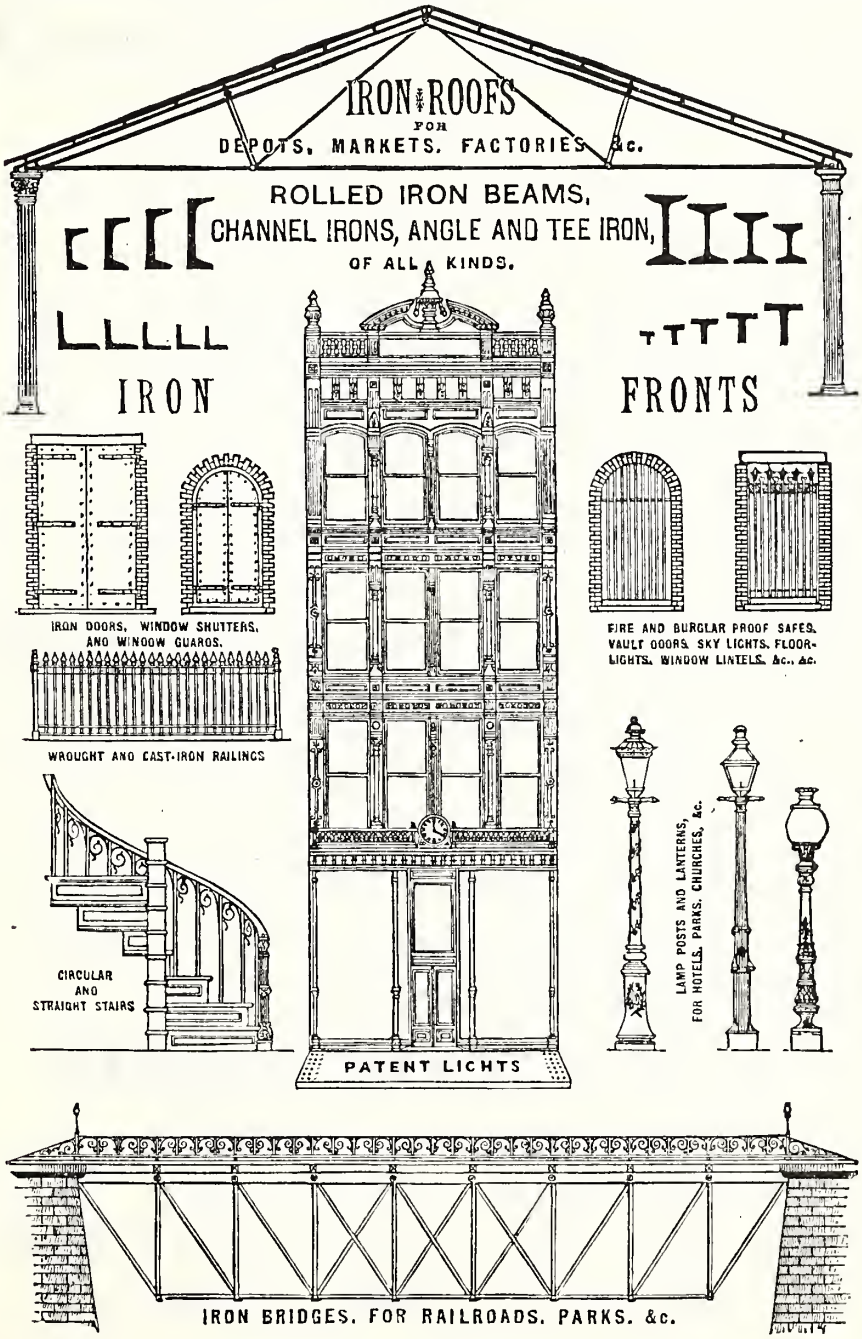

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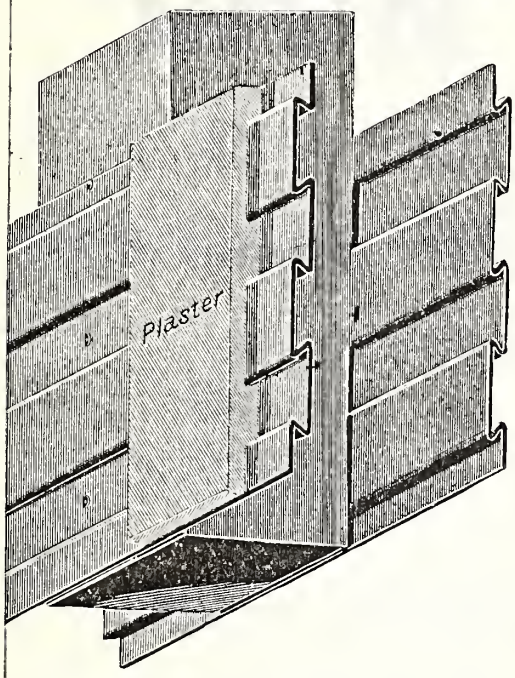

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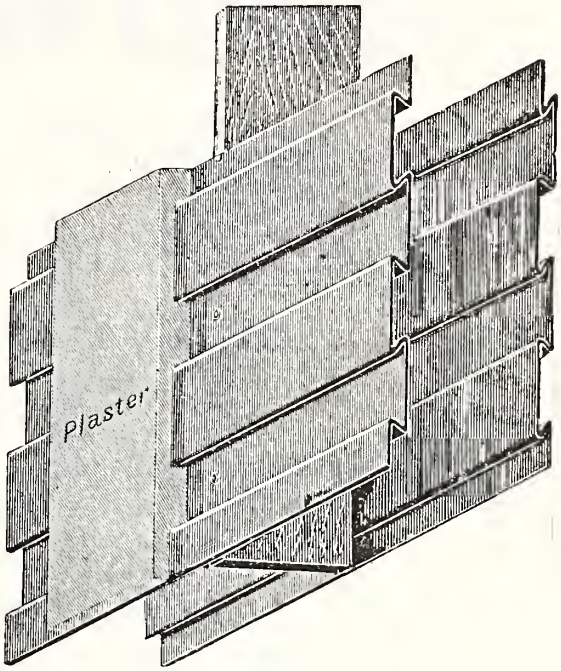

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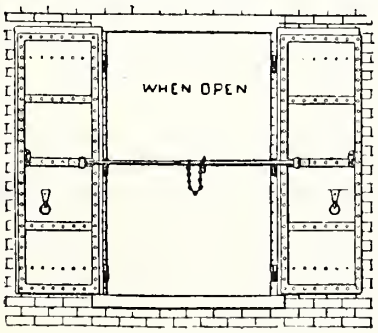

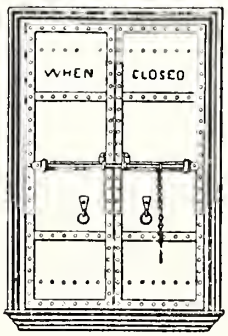

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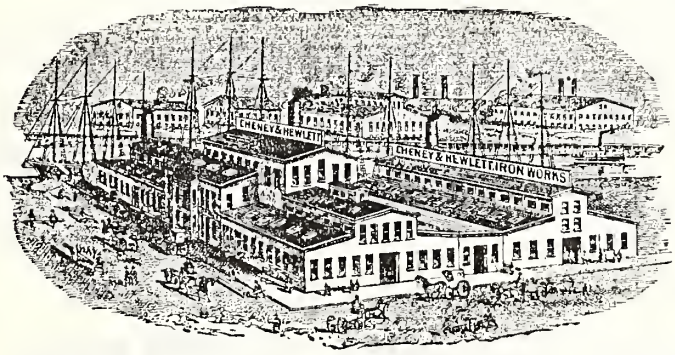

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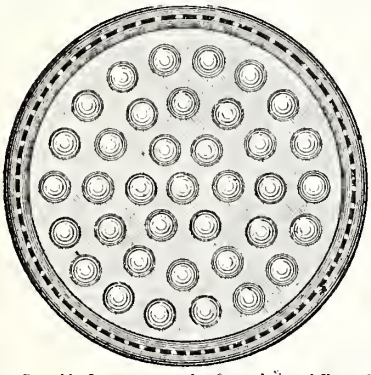

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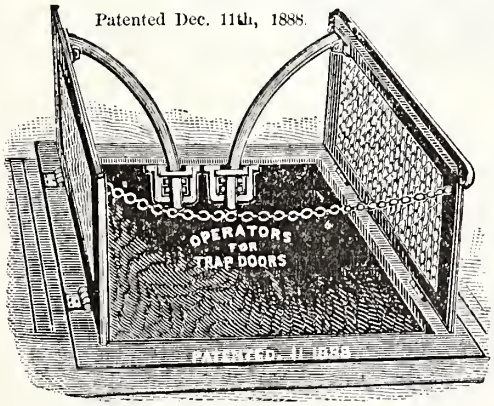

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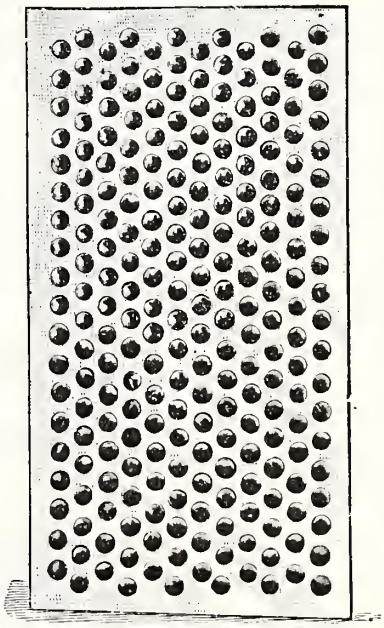

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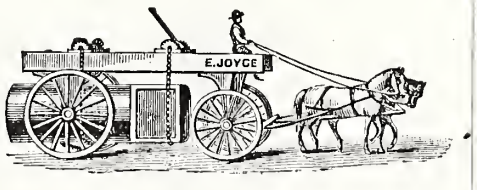

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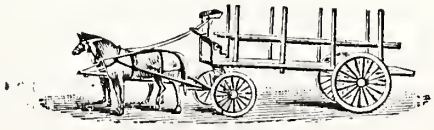

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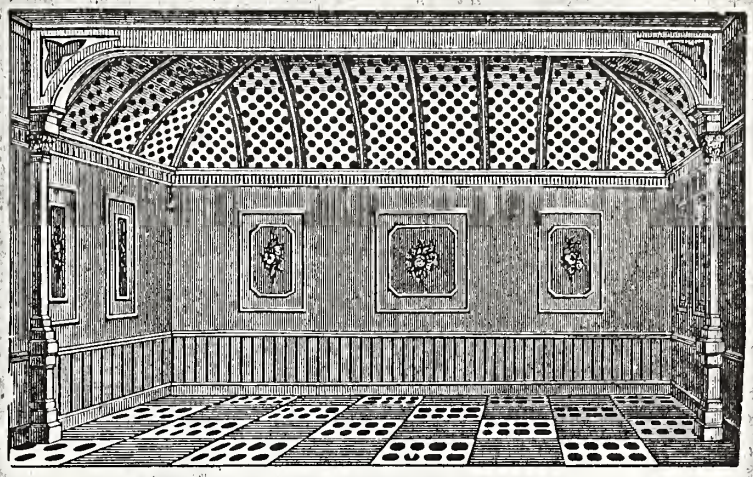

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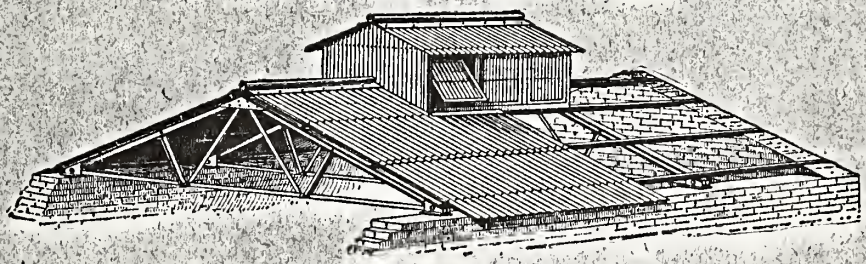

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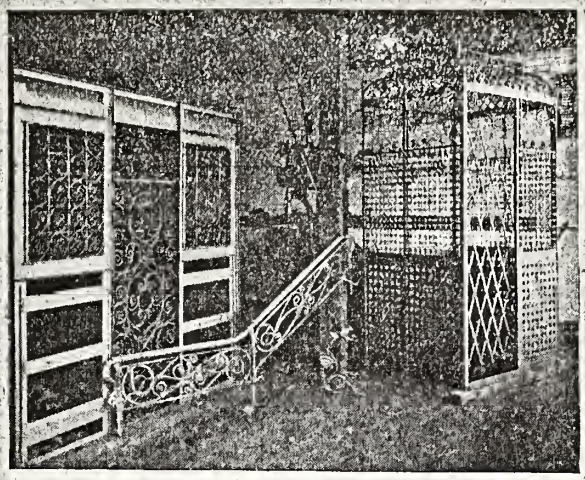

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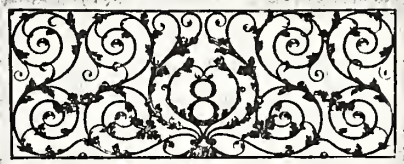

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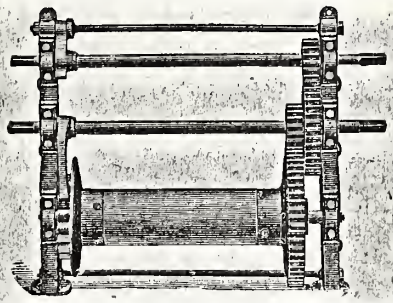

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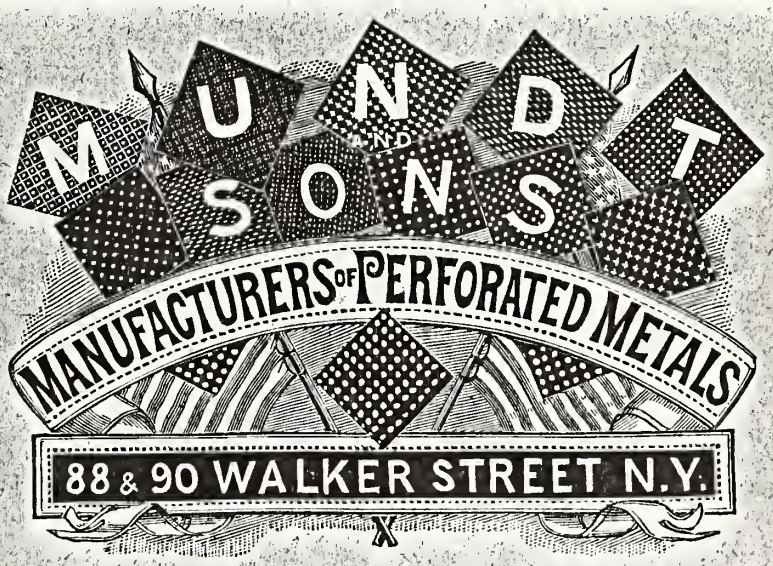

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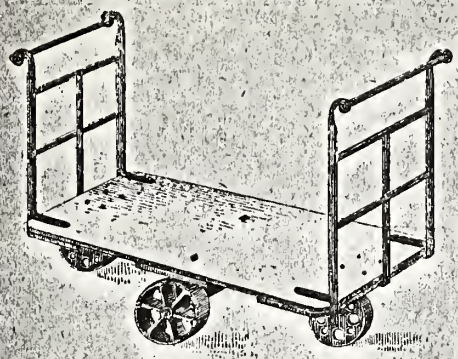

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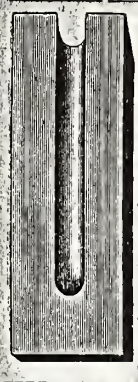

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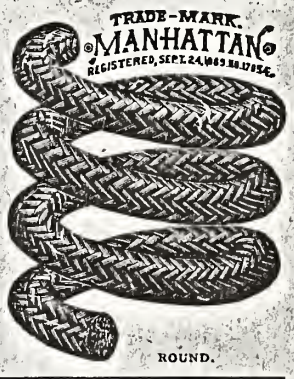

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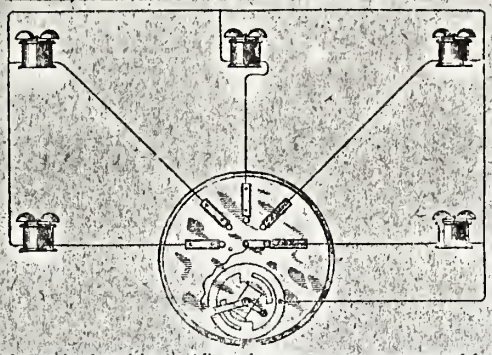

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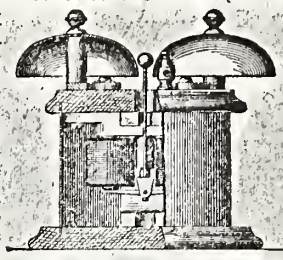

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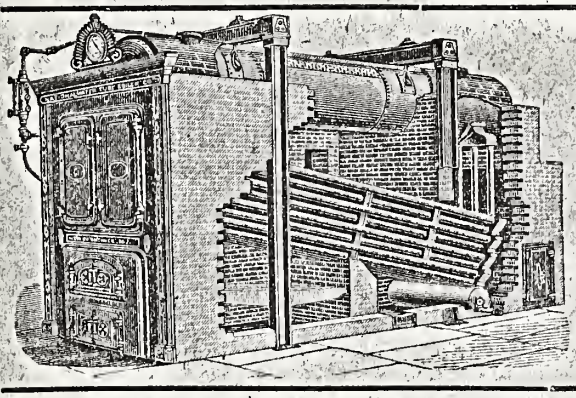

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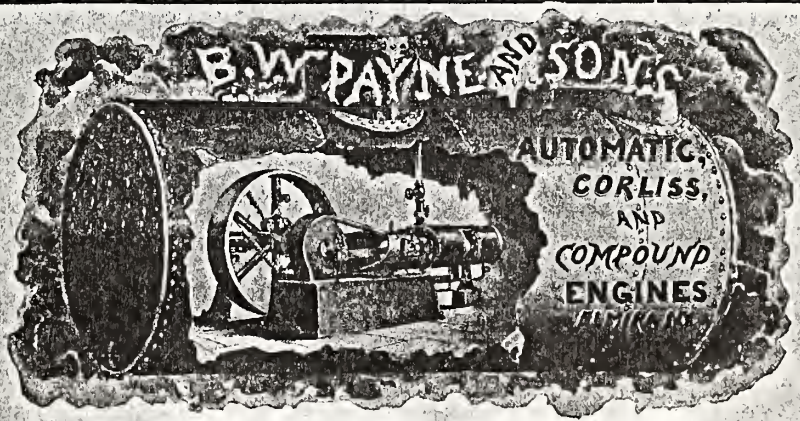

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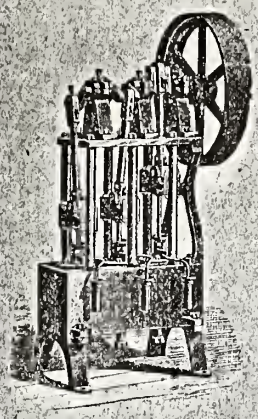

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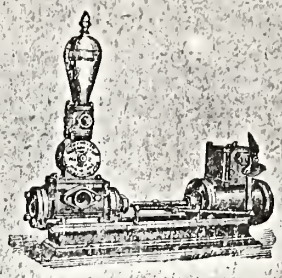

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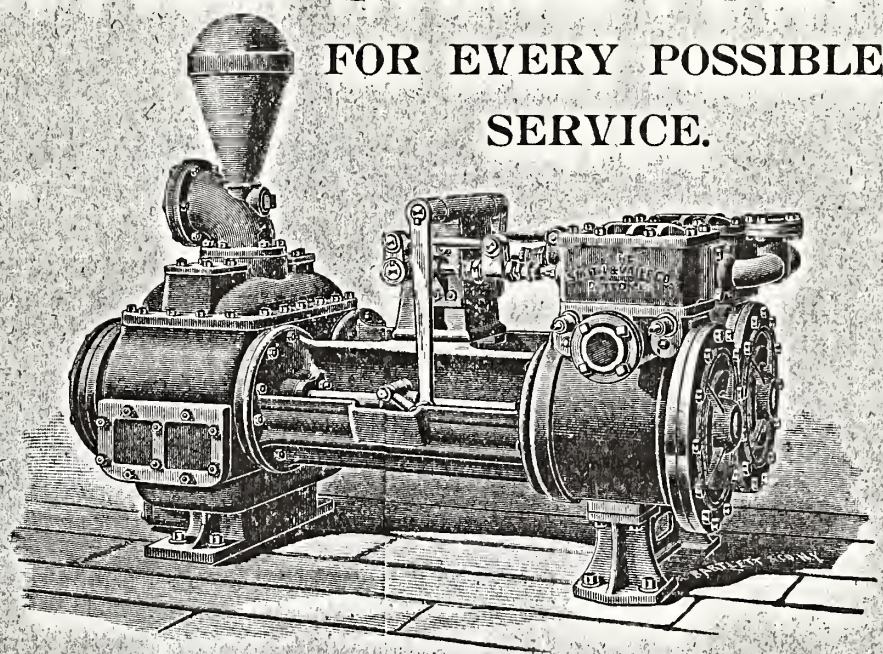

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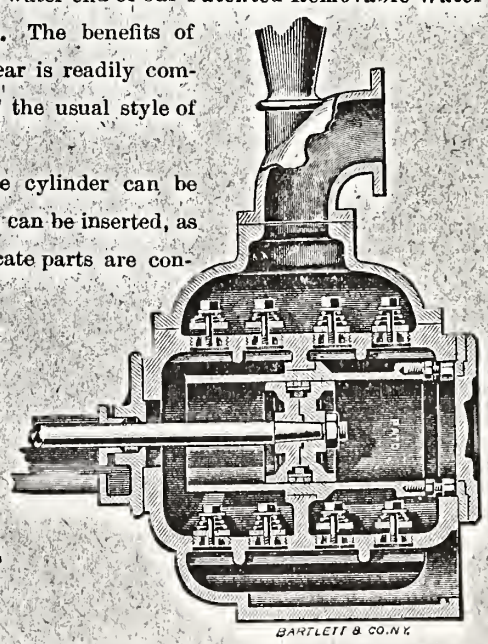

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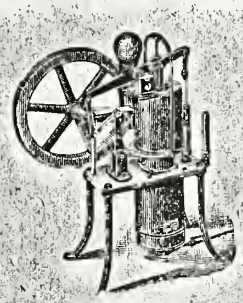

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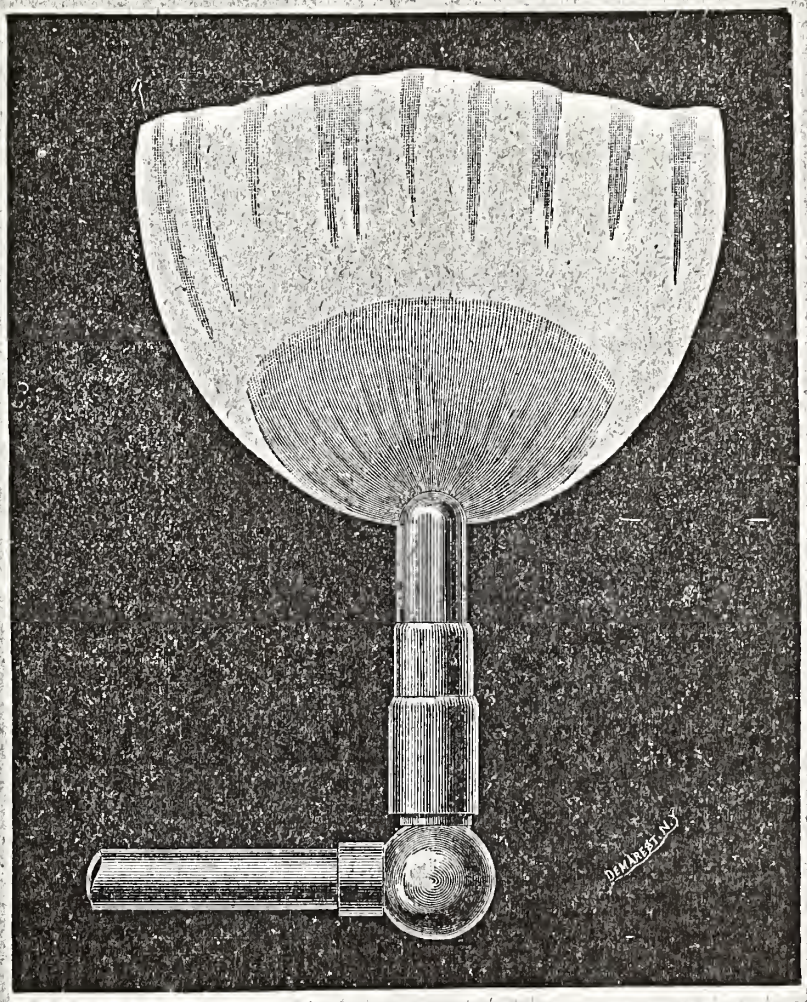

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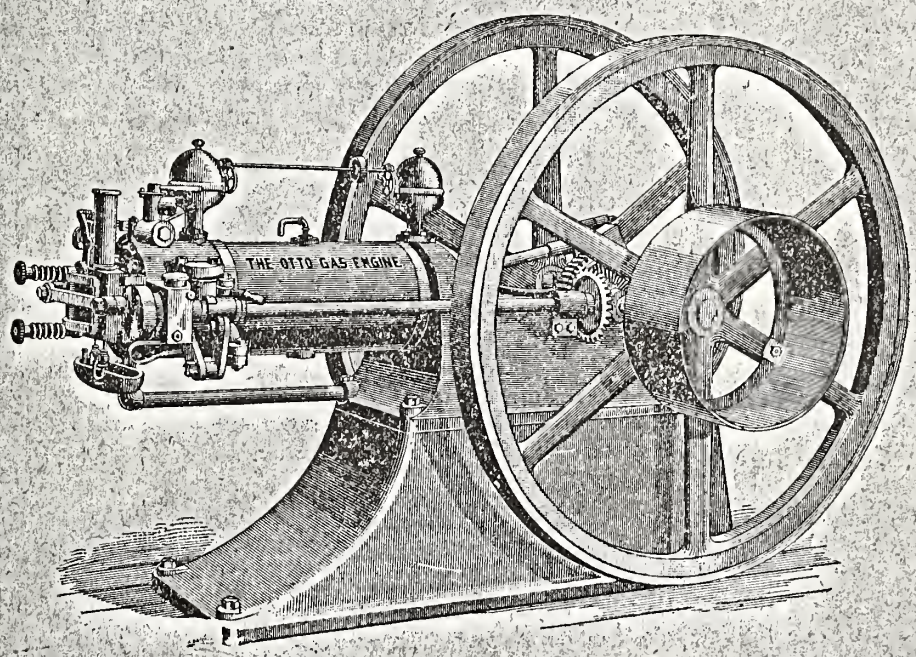

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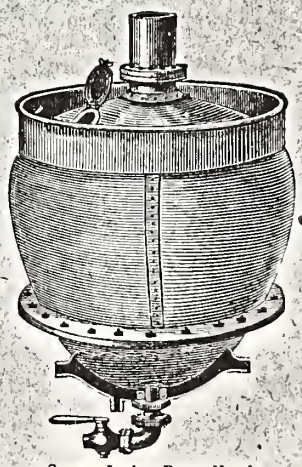

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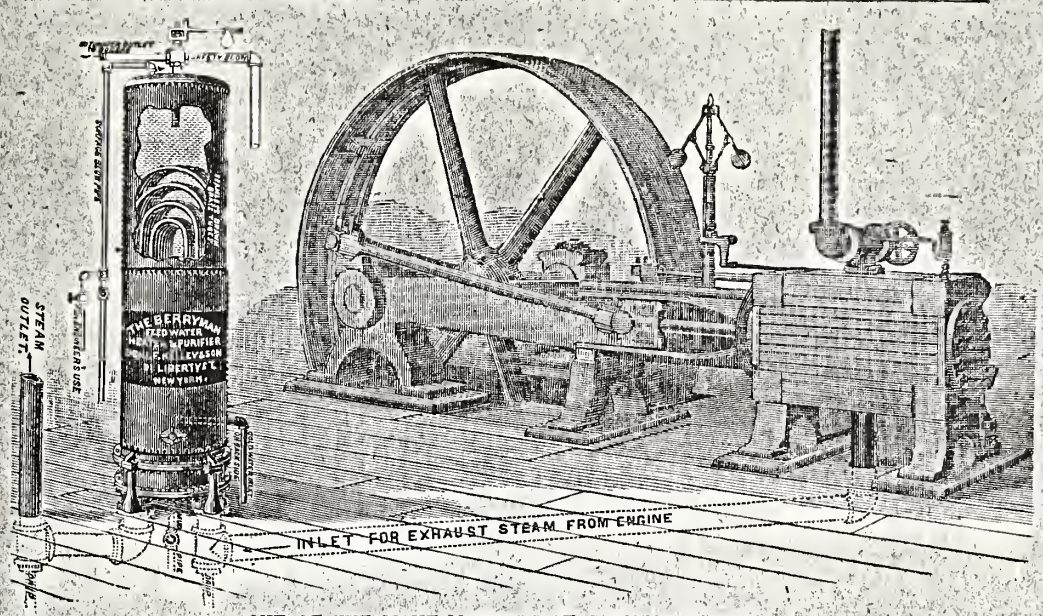

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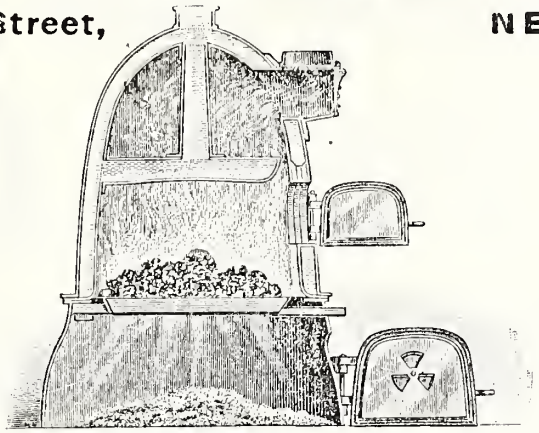

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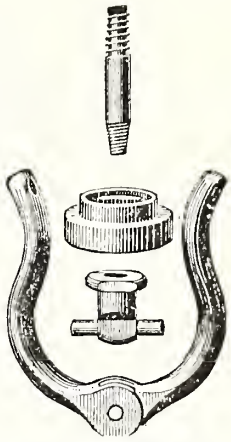

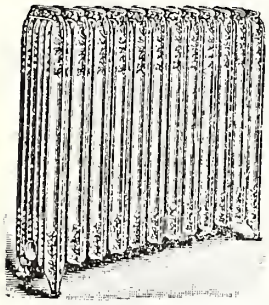

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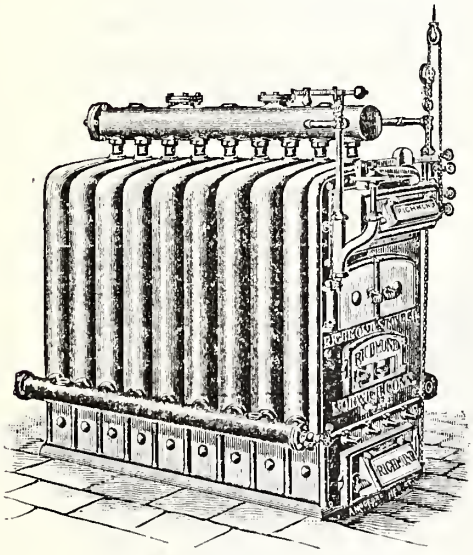

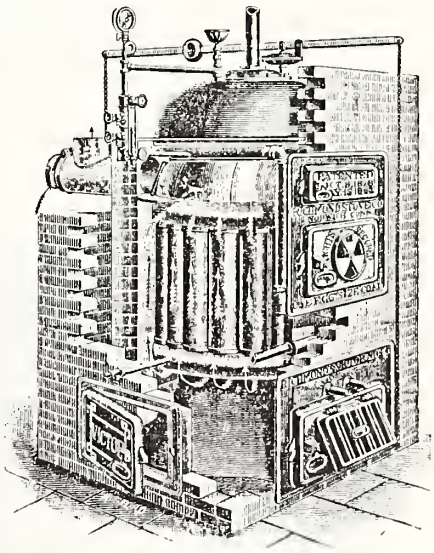

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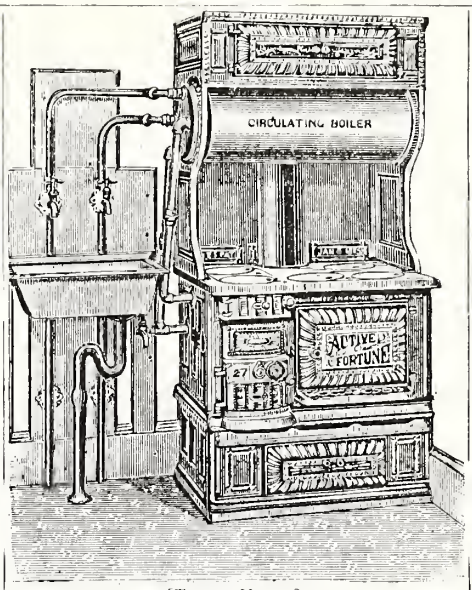

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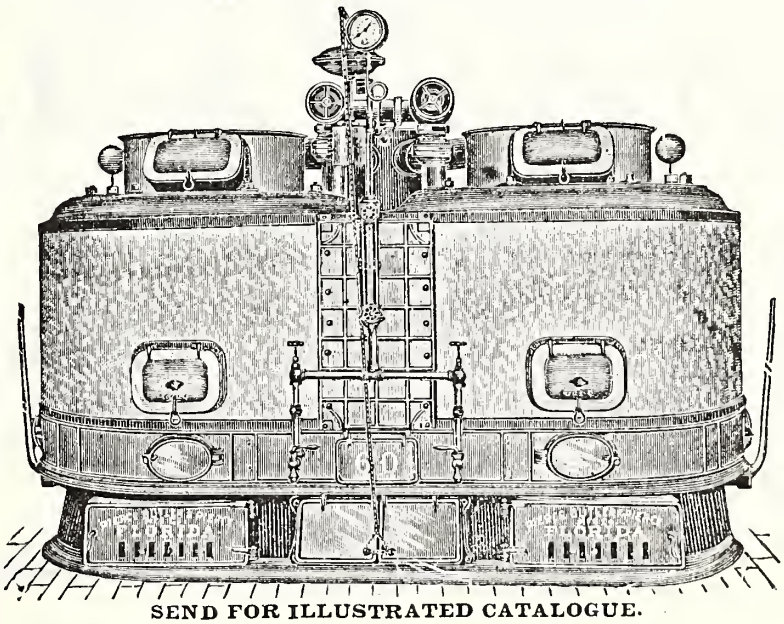

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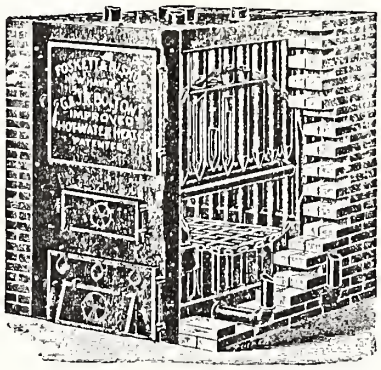

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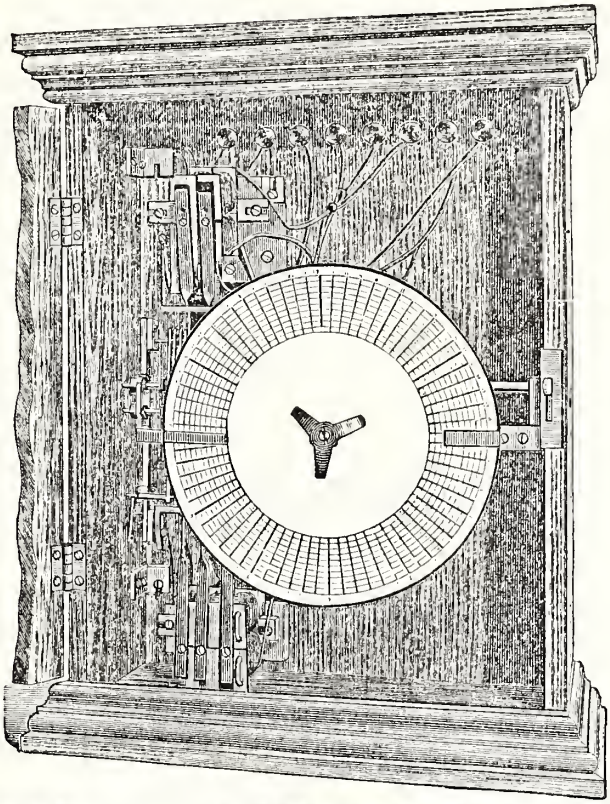

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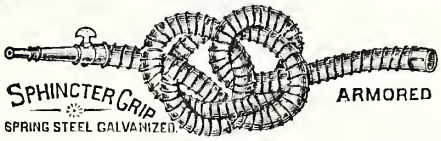
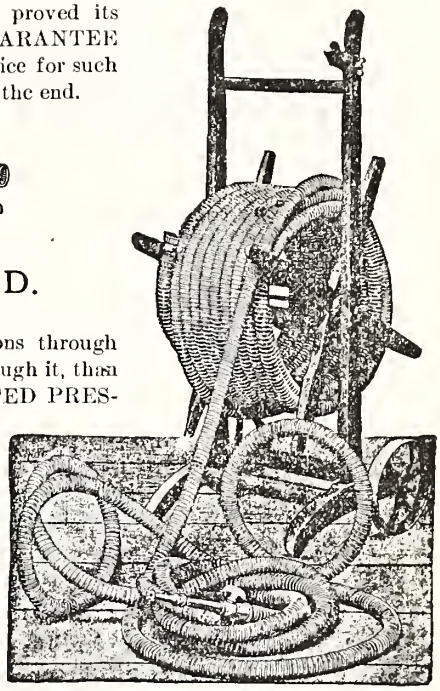




IT CANNOT BE KINKED.

Sizes, 1-8 to 42 inches in diameter.

More hose is destroyed by the sudden concussions through kinking, when a full velocity of water is rushing through it, than by actual wear. It will stand practically UNLIMITED PRESSURE The flow of water is never obstructed. It is more flexible than unarmored. The armor is a perfect protection from ABRASION.

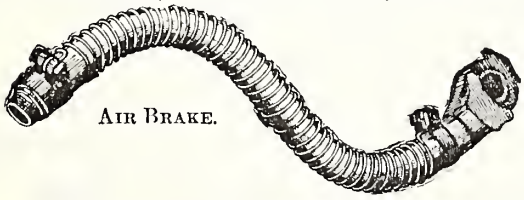
For Suction, Water, Steam, Gas, Air, Acids, Green Houses, Lawns, Builders, Livery Stables, Fire Purposes, Brewers, Factories, Steamboats, Tanneries, Oil Wells, Coke Burners, Submarine Wrecking, and for any and every purpose to which a hose may be applied.

VERY IMPORTANT.

This Hose and Armor can be cut at every wind of the wire, without loosening or uncoiling. The Sphincter Grip of the wire being self-holding through its entire length. This very essential feature is one of the principal points secured by one of our patents.

Purchasers are cautioned against a hose wound with a soft putty-like wire fastened (apparently) at the end with a flimsy device to prevent loosening, unwinding or shuffling off, and represented as the Sphincter Grip Hose.

The making, vending or use of any Serviceable Armored Wire Bound Hose not of our Manufacture is an infringement on one or more of our Patents. The rights secured to us render each individual or user responsible for such unlawful use, with all the consequences thereof. Brass plates set under the wire make known to dealers and consumers our rights, and give sufficient warning to infringers, whether evil-minded or ignorant.



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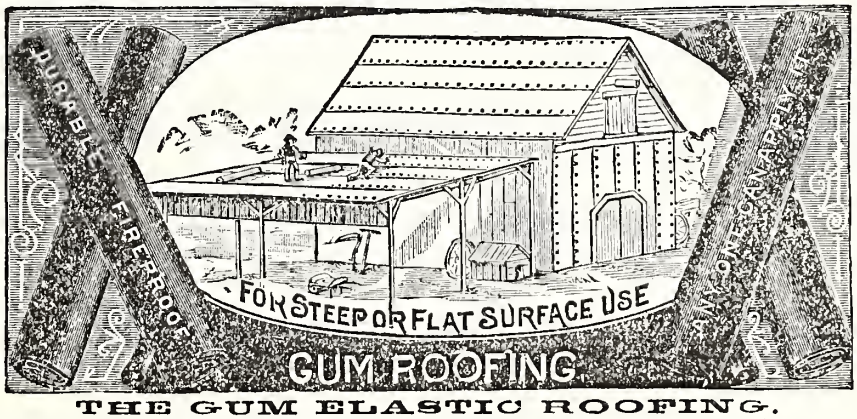

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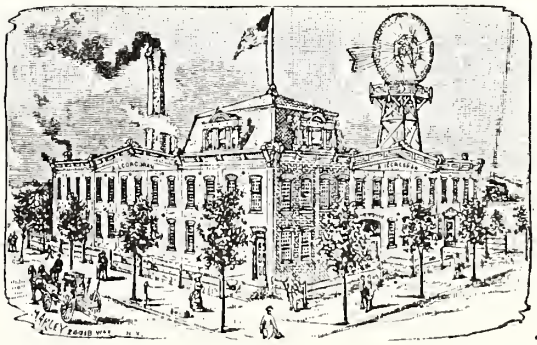

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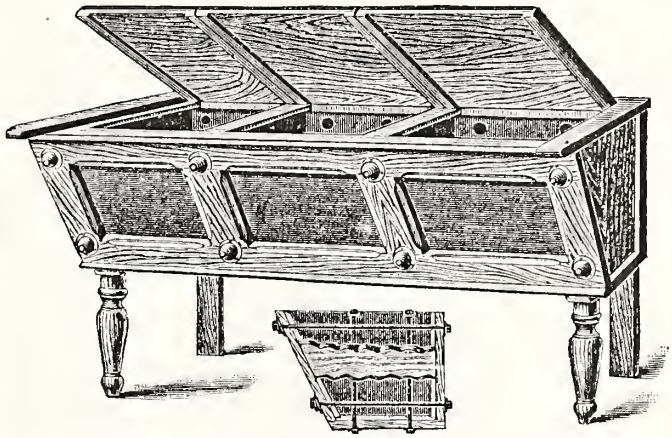

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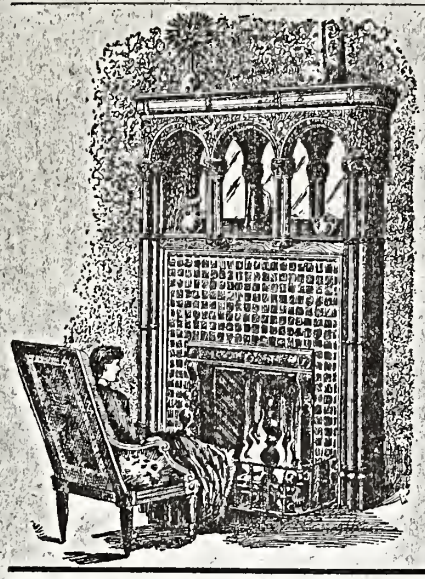

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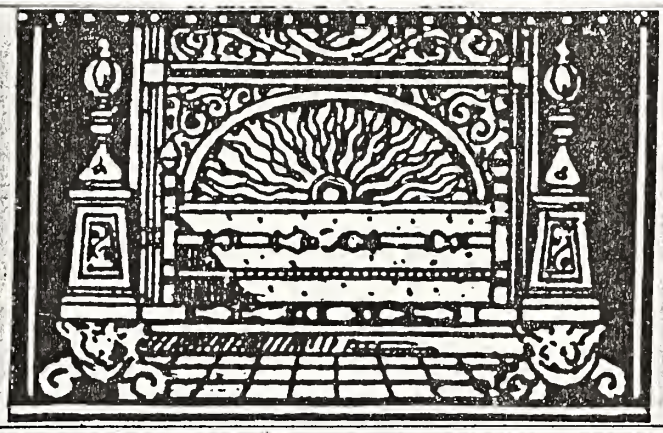

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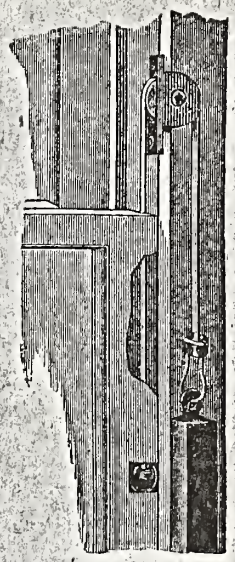

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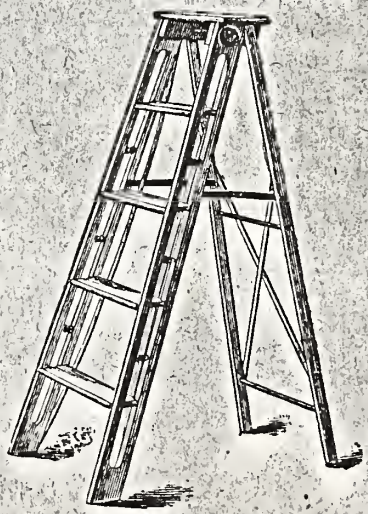

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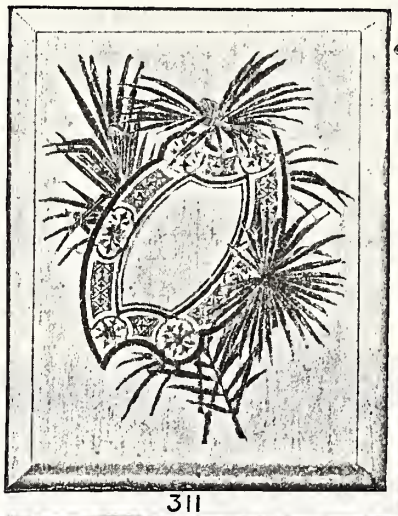

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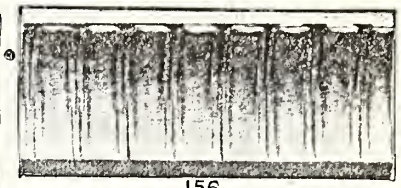

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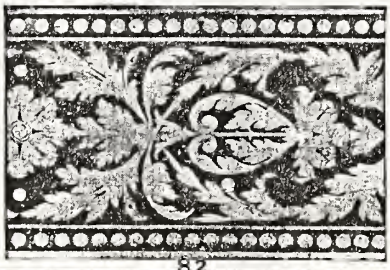

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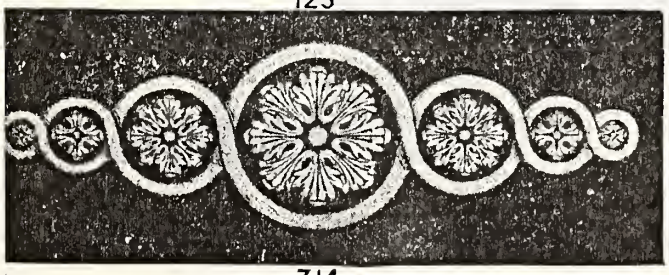

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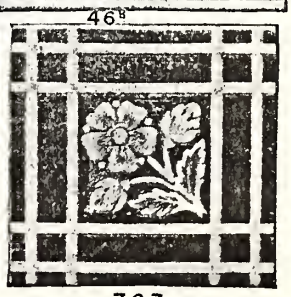

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SCALE ¼

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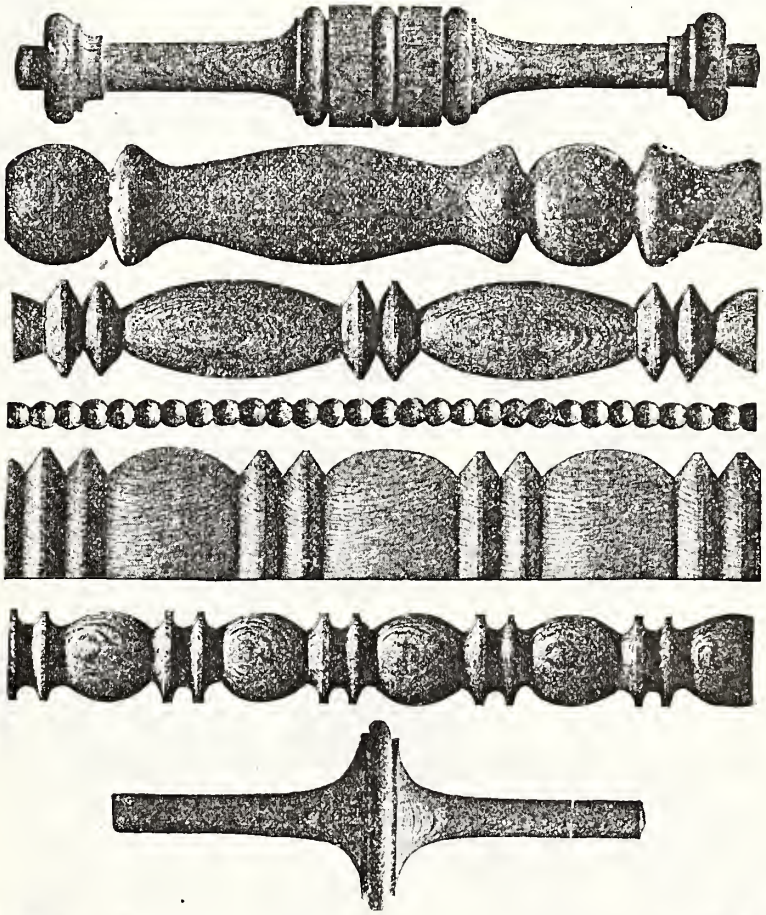
PATENTEES AND MANUFACTURERS OF

PATENT TURNED MOULDING

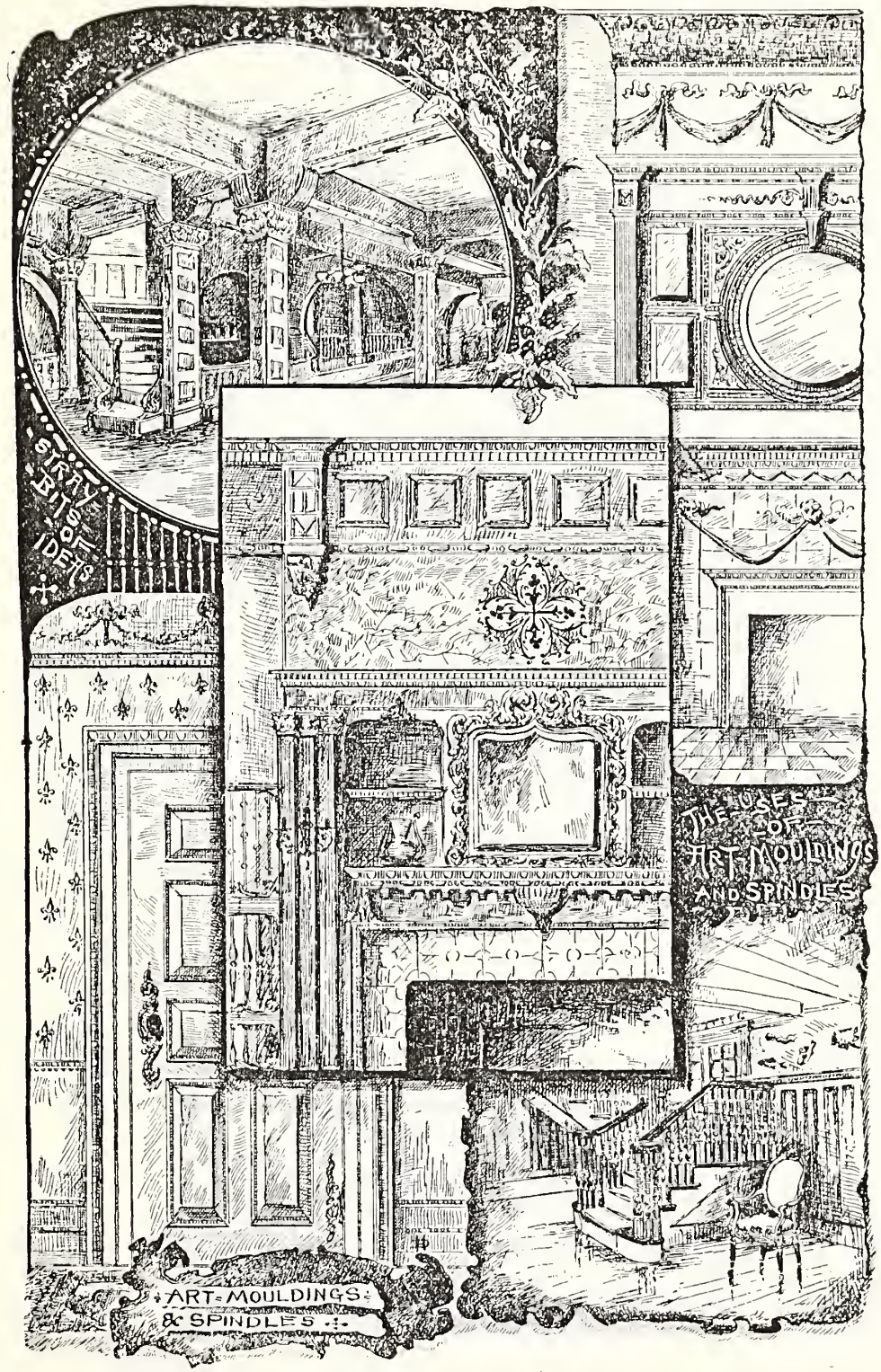
AND

SPINDLES.

SAMPLES SENT ON APPLICATION.



PORT CHESTER, NEW YORK.



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MANUFACTURER OF

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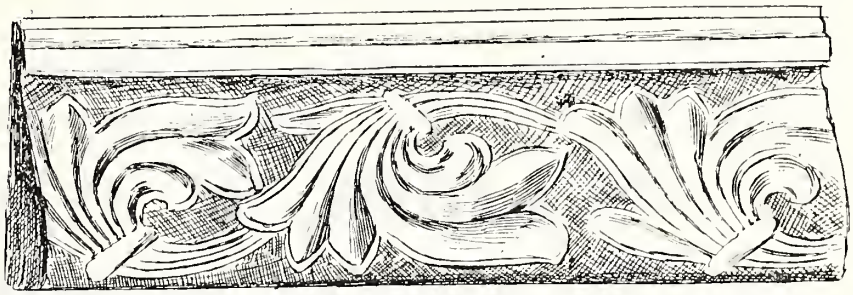

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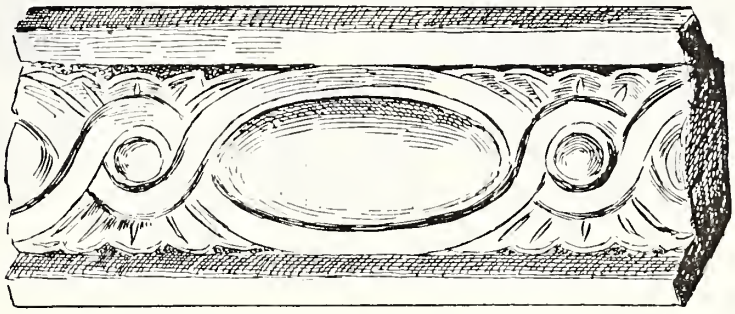
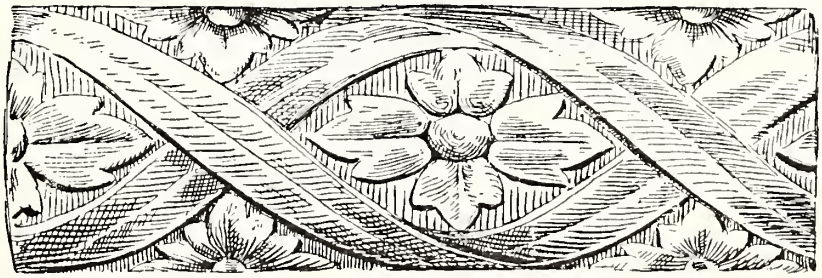


157 ELEVENTH AVENUE,

NEAR 22D STREET. NEW YORK.



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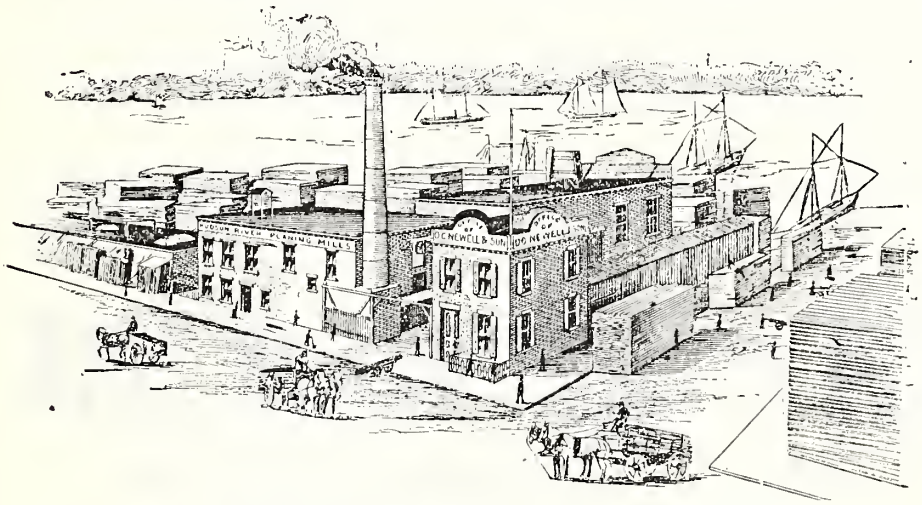

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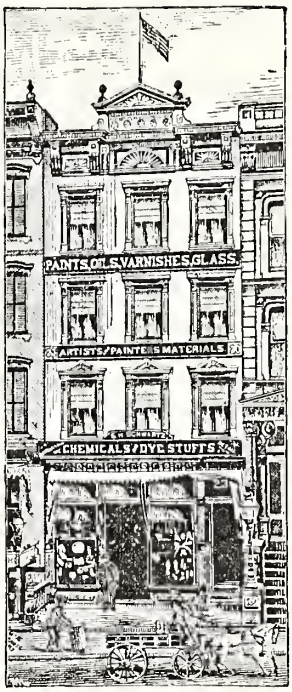

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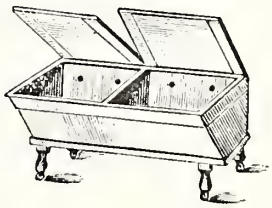

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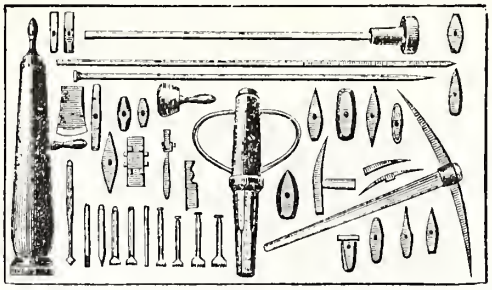

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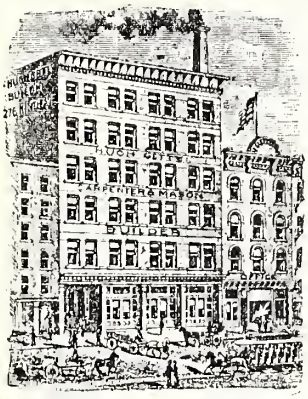

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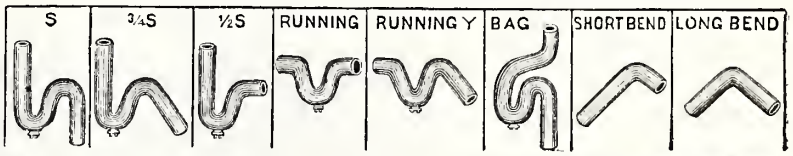

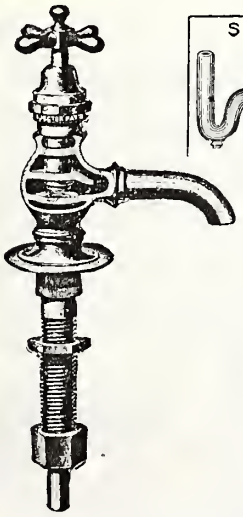

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Anti-Siphon Trap Vent.

Also Sole Agents in the United States for the

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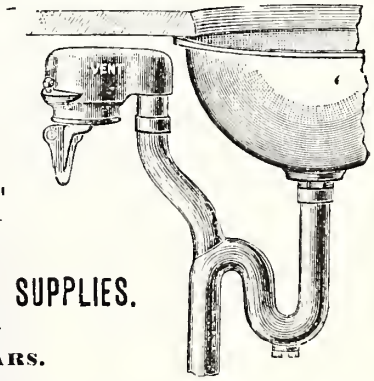

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The engraving is a perspective view of the Vent in its normal relation to an ordinary Trap and Fixture.

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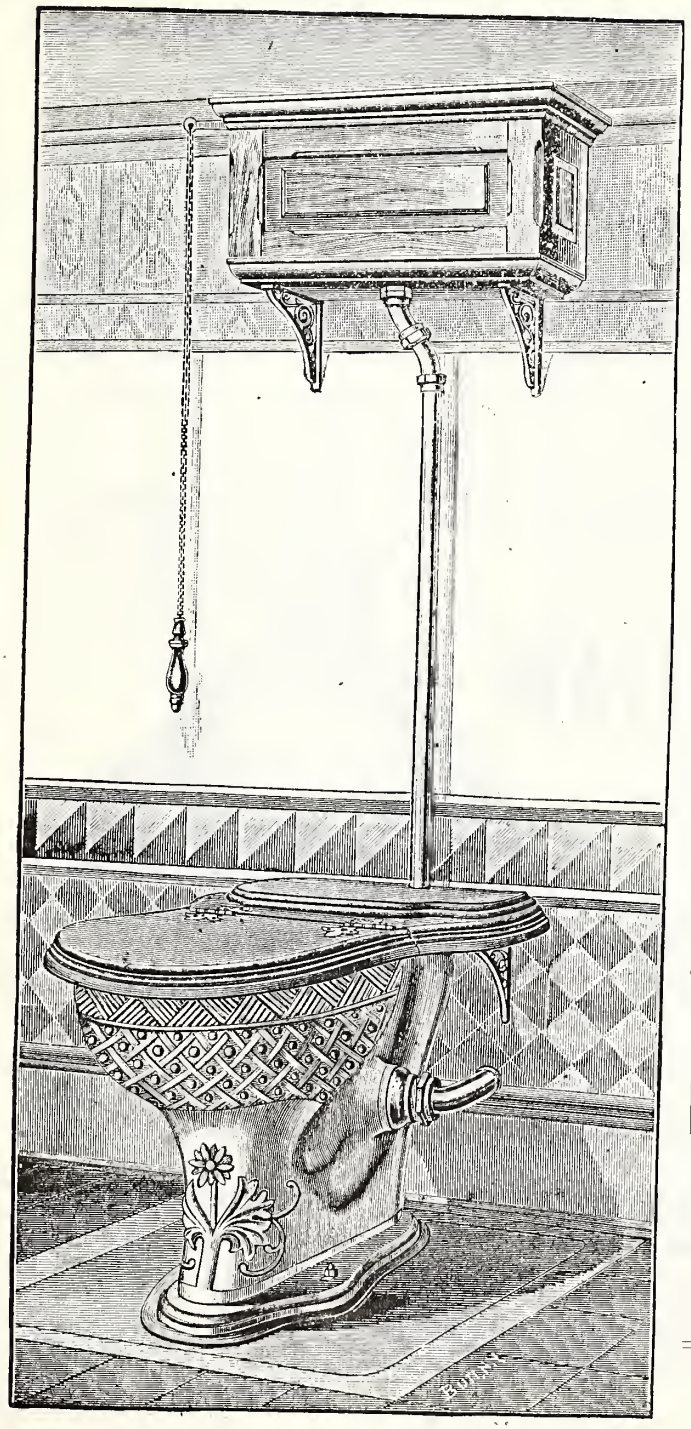

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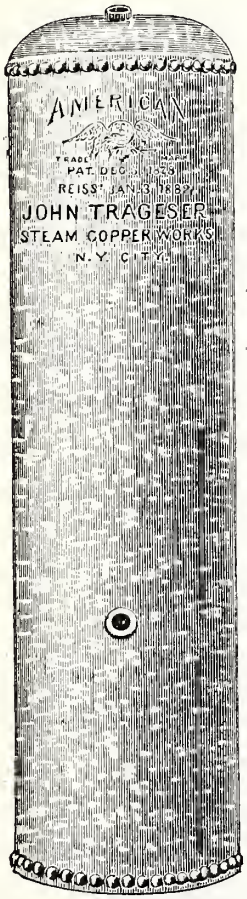

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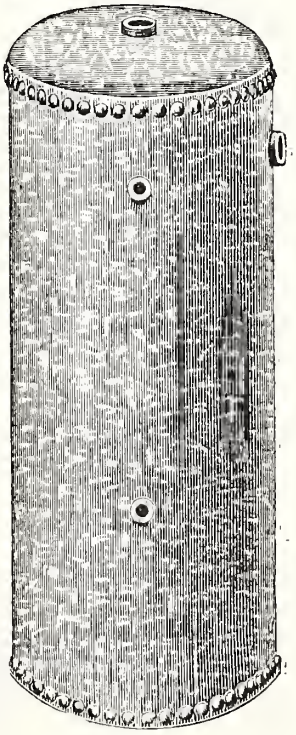

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FOR DEADENING OF SOUND.

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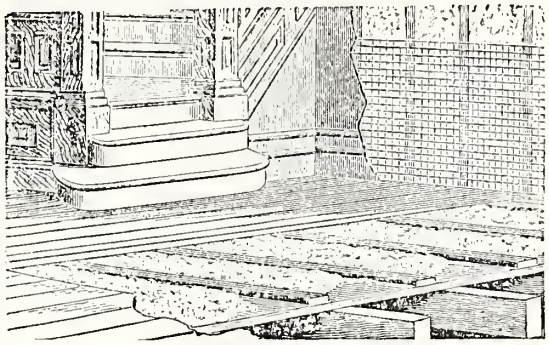

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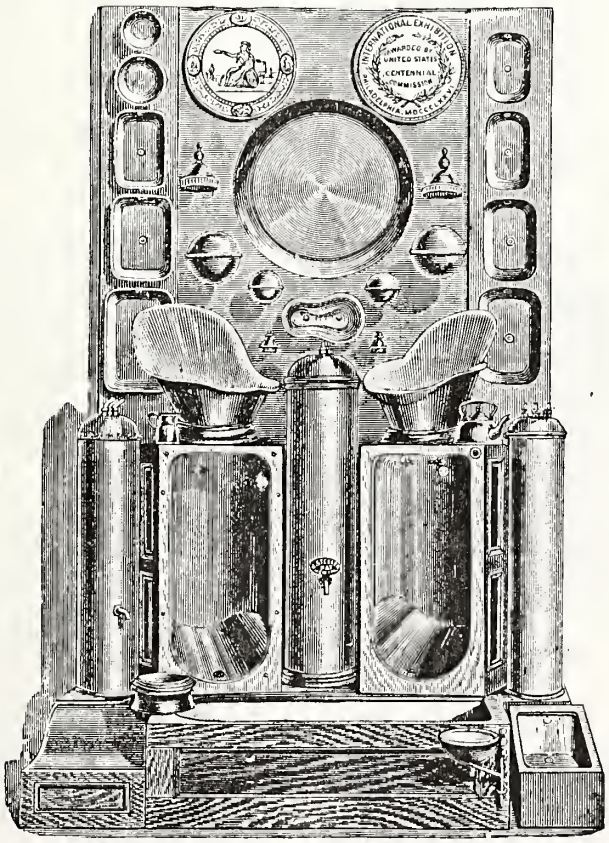

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—GUARANTEED.—

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ROCK WALL PLASTER

IS A SUBSTITUTE FOR OLD FASHIONED PLASTER.

Is Fire Proof and Water Proof.

Does not fall off the Walls, is durable, hard, and affords the widest range of decoration. Comes ready prepared for use by the simple addition of water, thus doing away with mortar boxes in the street, and the attending filth and dirt.

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The Bostwick Patent Fire Proof Steel Lath.

RECOMMENDED BY

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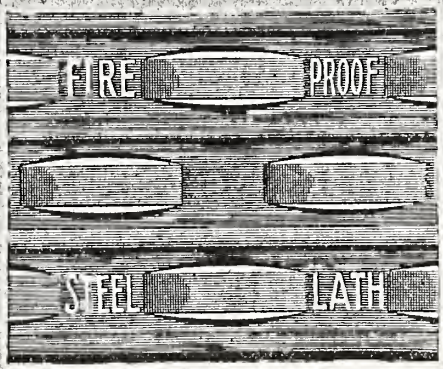

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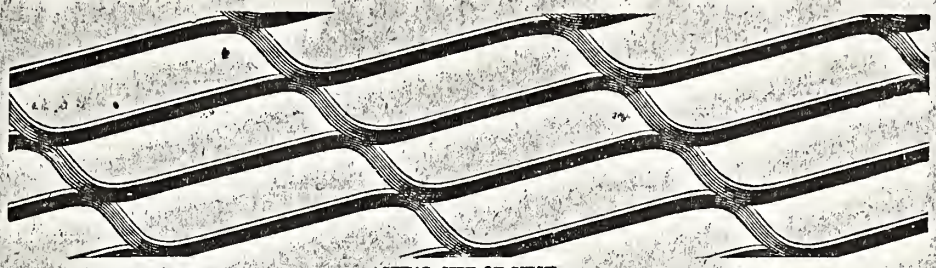
A great SAVING of MATERIAL and LABOR.

ILLUSTRATED PAMPHLET AND SAMPLE FREE.

BOSTWICK METAL LATH CO., No. 38 Park Row, N. Y.
(POTTER BUILDING.)

Expanded Metal Fire-Proof Steel Lath.



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Our **Steel** Lath commends itself to Architects and Builders as the best in use. It requires no stretching; is self-furring: its form makes it rigid, yet it can be moulded to any required curve or angle. Gives a perfect **Key.**

Prevents Cracks, Falling Ceilings and Fires, no Expansion under **Heat** or **Contraction** under **Cold.**

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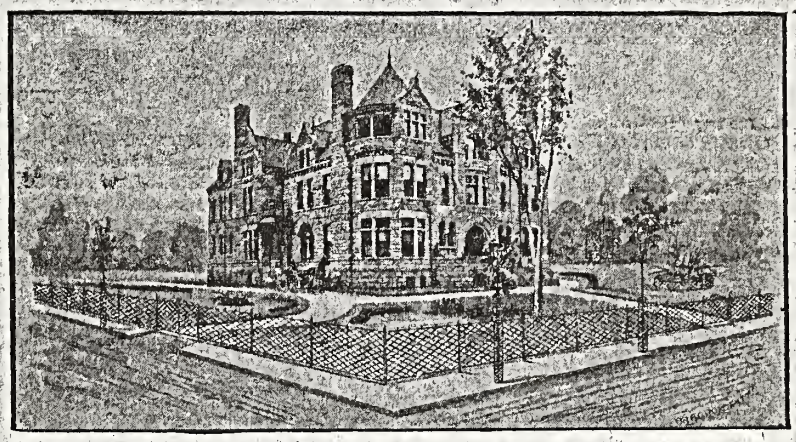

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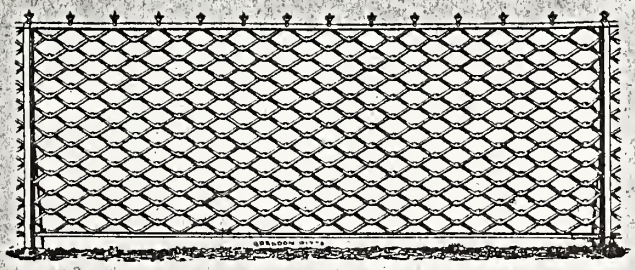
No Moisture. Warmer in Winter. Cooler in Summer.



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It is neat and attractive for Lawn Park, Church, Cemetery or Farm. Can be used without framing.

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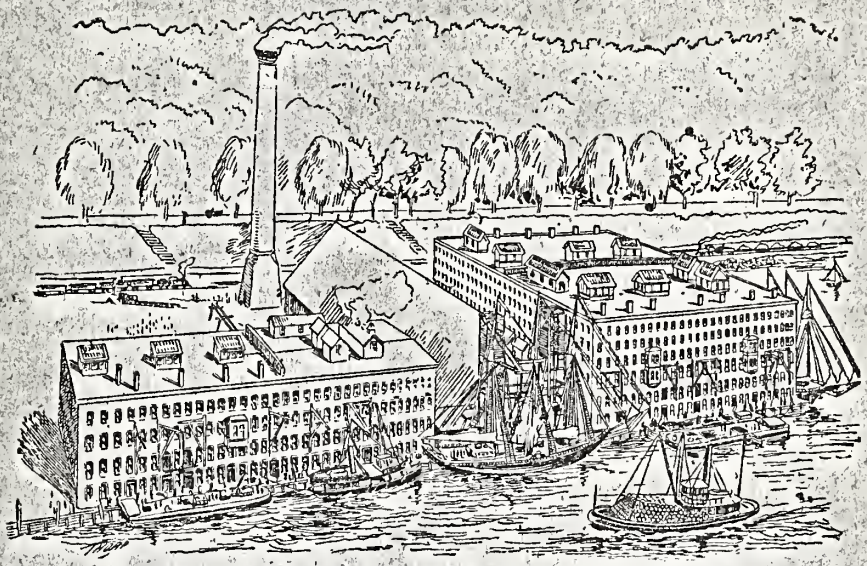
A MATERIAL FOR PLASTERING WALLS AND CEILINGS.



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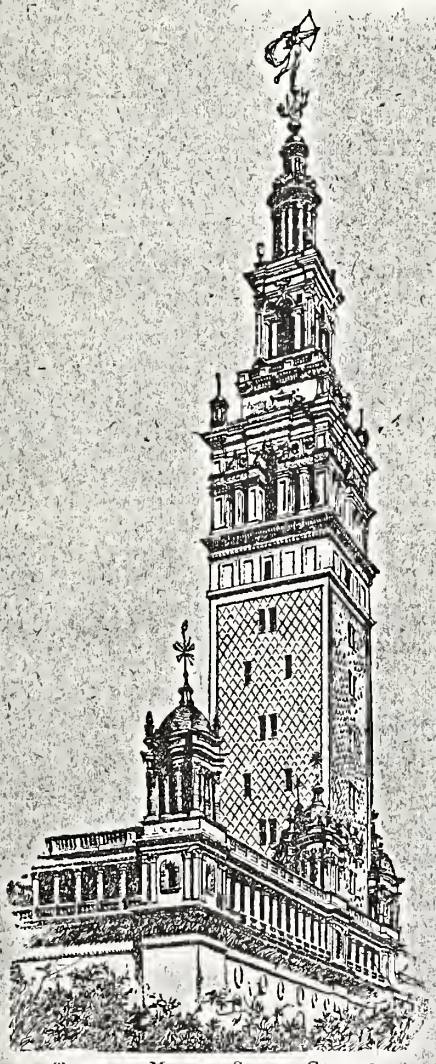

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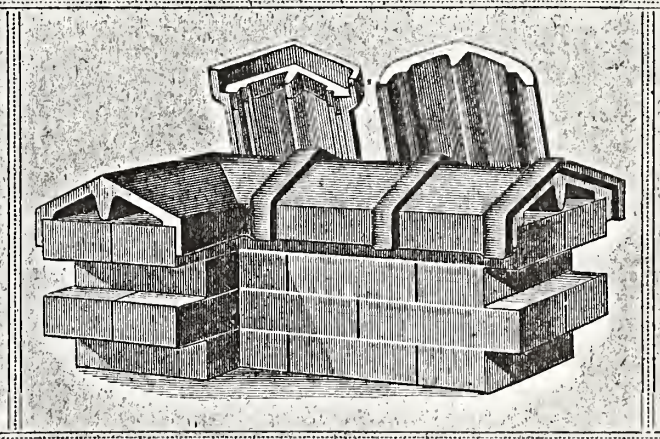

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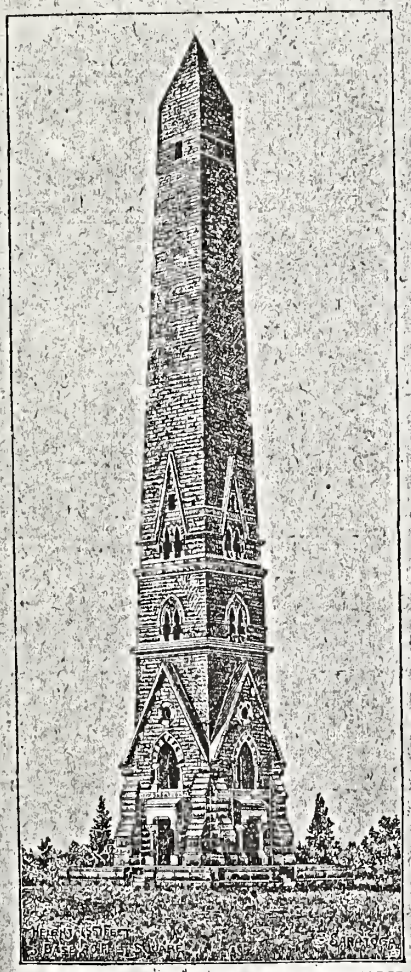

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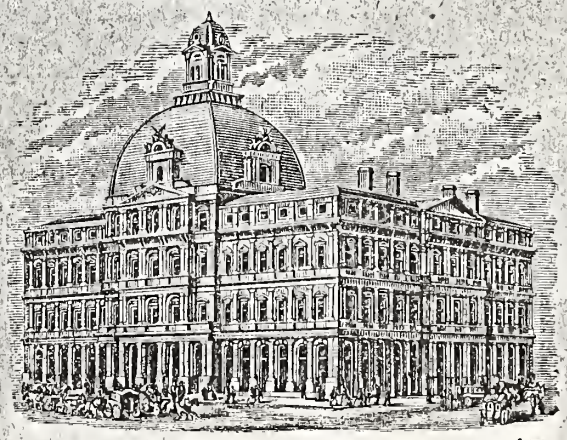

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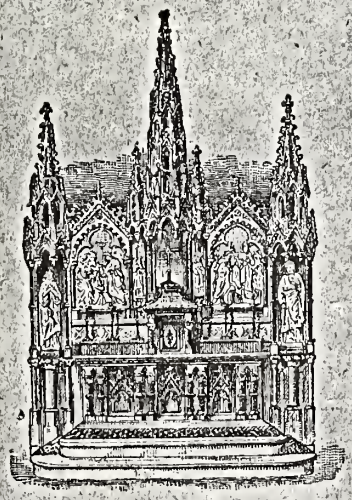

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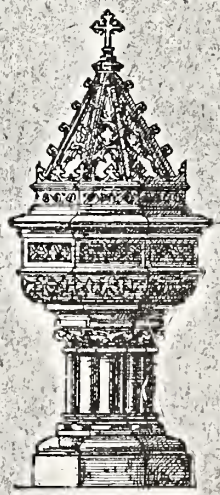

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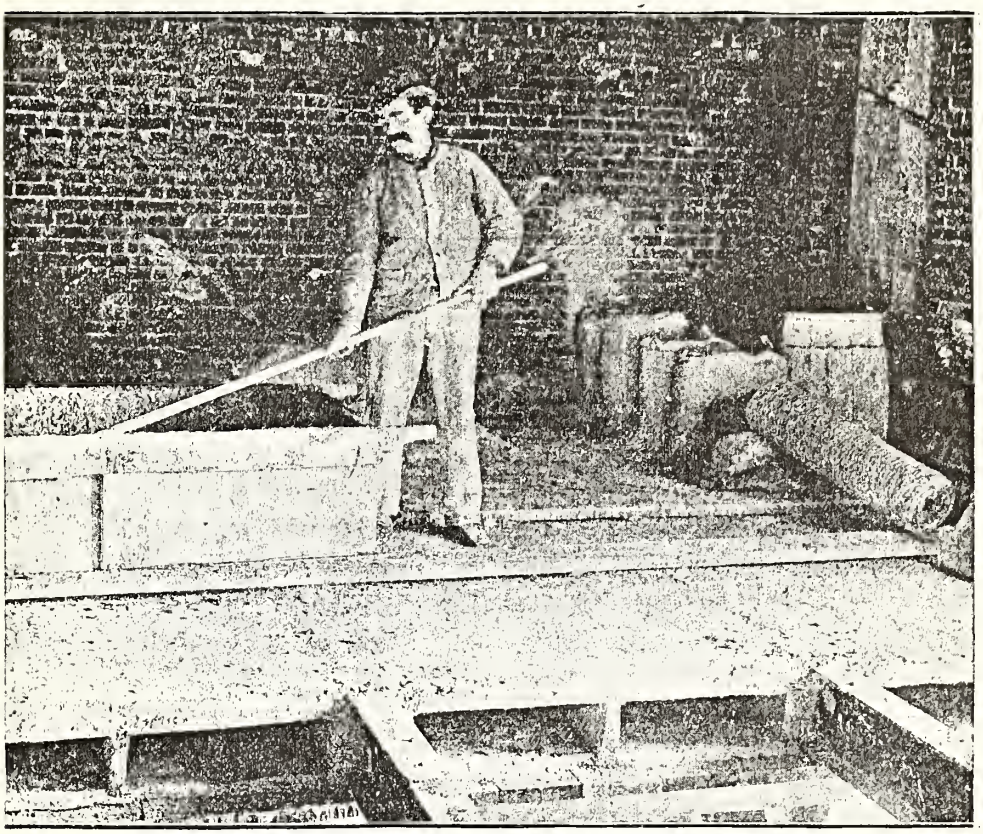

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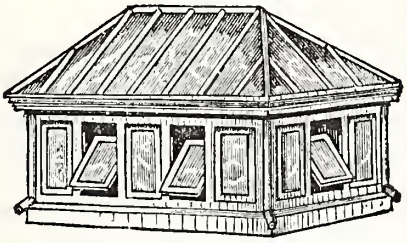

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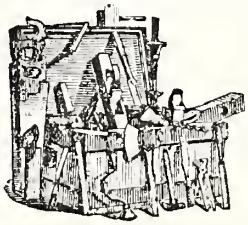

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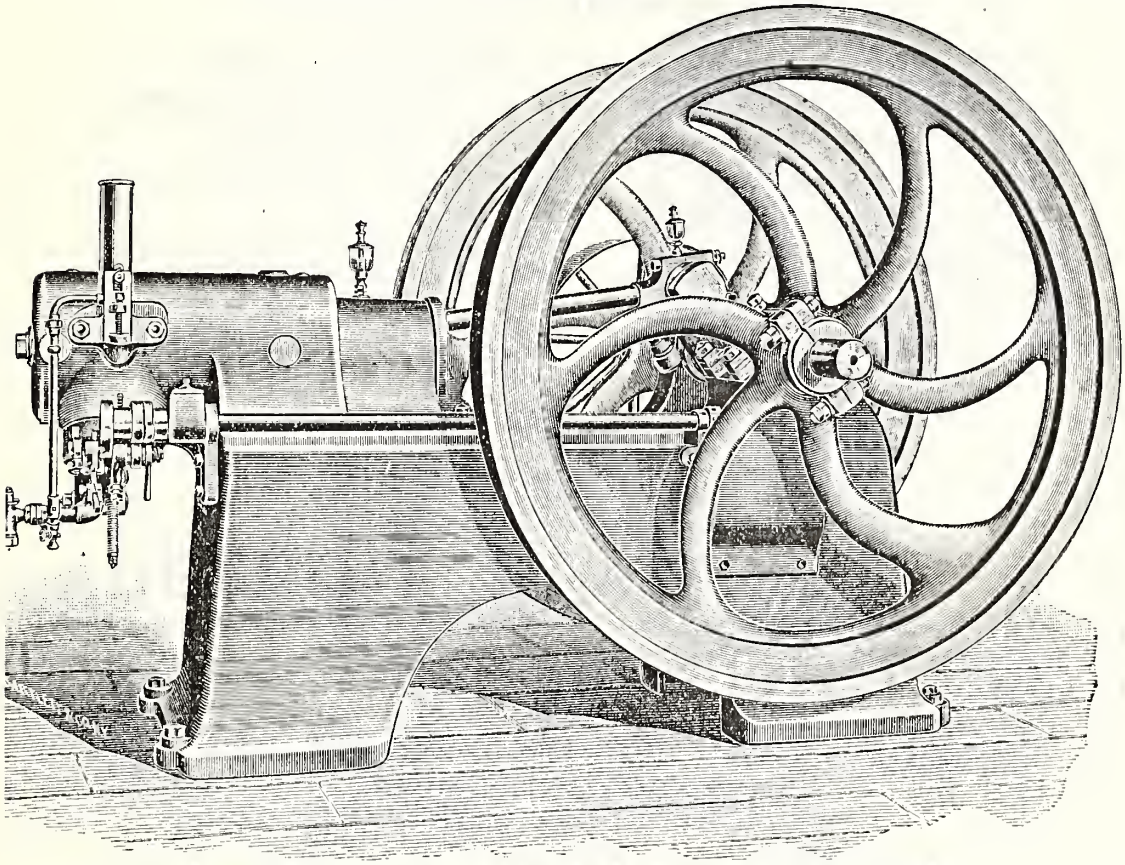

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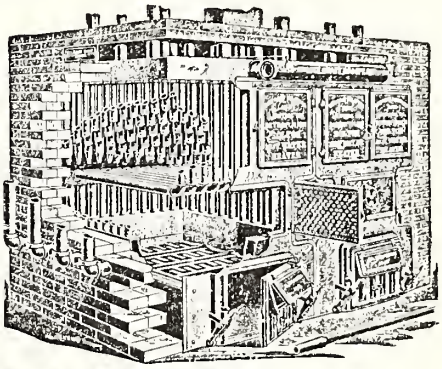

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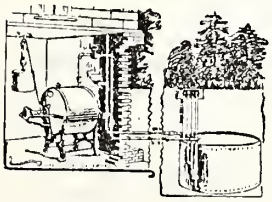

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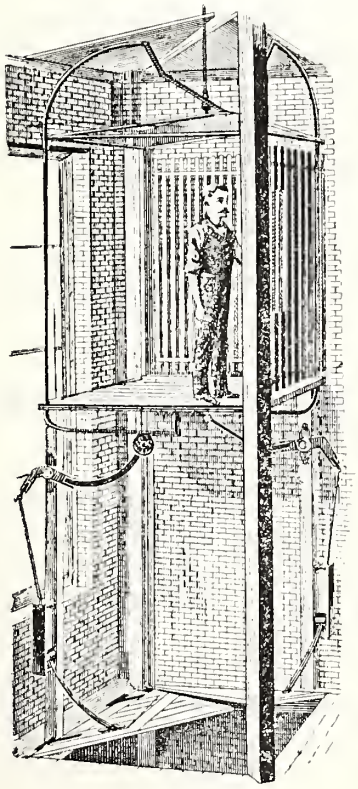

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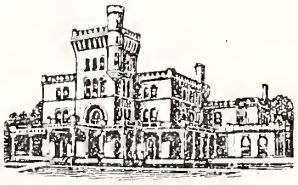

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Daniell, Francis G. 52-54 William
Davidson, E. C. Times bldg, room 179
Davis, Joseph P. 115 W. 38th
Davis, Minor M. 5 Dey
Dickerson, E. N. 15 Wall
Dobbie, Robert S. P. O. box 3067
Doremus, Charles A. 92 Lexington av
Dressler, Charles E. 17 Lexington av
Dunn, Gano S. 430 W. 14th
Emery, Charles Howard, 22 Cortlandt
Essick, S. V. 171 Broadway
Fay, Thomas J. 136 Liberty
Fiske, Henry G. 45 E. 22d
Forbes, Francis, 137 Broadway
Fox, John M. 18 Broadway, room 201
Freedman, W. H. 120 W. 125th
Gilliland, E. T. 179 West End av
Goldmark, Charles J. 473 Park av
Gordon, Reginald, 76 Park av
Greenburg, Adolph G. 115 Broadway
Hadley, Warren B. 431 Fifth av
Hall, Wm. P. 50 Broadway
Halsey, Wm. B. 94 Leonard
Hancock, L. M. 22 Thames
Hatzel, J. C. 29 W. 26th
Henry, J. C. 114 E. 54th
Henshaw, Fred. V. 12 W. 31st
Hewitt, Charles, Edison bldg
Hibbard, August S. 18 Cortlandt
Holmes, Franklin S. 120 Broadway
Howson, Hubert, 38 Park row
Idell, Frank E. 41 Dey
Insull, Samuel, P. O. box 3067
Ives, Edw. B. 139th and Grand Boulevard
Jackson, C. H. 59 Liberty
Johnston, W. J. Times bldg
Keen, Wm. M. B. 85 Varick
Kellogg, James W. 140 E. 27th
Land, Frank, Hotel Normandie, 37th & B'way
Landy, Louis H. 239 W. 52d
Ledoux, A. R. 10 Cedar
Levy, Arthur B. 235 E. 50th
Lloyd, Robert McA. 2 W. 36th
Lowery, G. P. 15 Broad
Lozier, Robert T. E. P. O. box 3067
Lufkin, Harvey L. 404 Greenwich
Lundell, Robert, 44 Broad
Luquer, Thatcher T. B. Columbia College
MacQuesten, W. D. 143 Liberty
Madden, O. E. 136 Liberty
Martin, F. Nevada Apartment, 70th and Boulevard
Martin, T. C. 150 Broadway
Mayer, George, 68 Broad
McKibbon, George N. 2 Wall
Mitchell, J. M. 45 Wall
Monell, Joseph T. 236 W. 22d
Moore, John J. 425 E. 24th
Moses, Dr. Otta A. 131 E. 73d
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Parsell, H. V. jr. 31 E. 21st
Pupin, Dr. Mitchell I. 68 W. 72d
Pope, Ralph, 136 Liberty
Reed, Henry A. 422 E. 25th

Reinmann, A. L., 510 W. 23d
Riker, Andrew L., 15 E. 55th
Rogers, Edward H., 15 Wall
Rosenbaum, Wm. A., Times bldg
Rosenberg, E. M., 80th & Av. B
Seely, J. A., 10 Cortlandt
Serrell, L. W., 10 Wall
Sheehy, Robert J., 24 West
Smith, Gerritt, 195 Broadway
Smith, J. Elliott, 157 E. 67th
Spicer, Charles W. W., 122 W. 21st
Sprague, Frank J., 15 Wall
Stockbridge, George H., 136 Liberty
Stump, Clarence E., World bldg
Sullivan, Mc., 17 E. 22d
Taylor, Charles, 30 Wall
Tesla, Nikola, 55 W. 27th
Tottingham, F. M., 49 W. 26th
Townsend, Henry C., 5 Beekman
Tuttle, George W., 510 W. 23d
Uhlenhart, Fritz, jr., 143 Liberty
Vail, Theo. N., 18 Cortlandt
Vance, A. St. Clair, 136 Liberty
Vandergrift, James A., 534 W. 23d
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Wacker, George G., 3644 Third av
Watson, Robert, 89 Liberty
White, H. C., 15 Cortlandt
White, J. G., 29 Broadway
Whitmore, W. G. (Edison bldg)
Wiley, W. H., 53 E. 10th
Williams, Arthur S., 18 Cortlandt
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13 Burling Slip.

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Douglass, James, 99 John
Dudley, P. H., 54 Pine
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Ferguson, Walton, 11 Pine
Fiske, Henry G., 13 Park row (room 49)
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Janen, Henry, 20 E. 35th
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Mayo, James H. 31 Nassau
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Stanton, J., 76 Wall
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Thomson, G. H., Grand Central Depot (room 21)
Torrey, H. G., U. S. Assay Office
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Van Voorhis, W. W., 69 Wall
Van Wickle, A. S., 1 Broadway
Von Rosenberg, Leo, 35 Broadway
Waller, Dr. Elwyn, School of Mines
Ward, Willard P., Mills bldg
Warren, George H., jr., 28 E. 64th
Waterman, H. L., 44 Wall
Webb, H. Walter, Vanderbilt av & 44th
Wendt, Arthur F., 127 E. 91st
Wilcox, Stephen, 30 Cortlandt
Wiley, W. H., 53 E. 10th
Wilkinson, George B., 46 Wall
Williams, David, 99 Reade
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Williams, John T., 871 Madison av
Wilson, M. O., 33 Wall
Wilson, R. T., jr., 33 Wall
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Baldwin, W. J., 277 Pearl
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Barnes, Oliver W., 57 Broadway
Bates, Chas. J., 63 Broadway
Baxter, Geo. S., 17 Broad
Beckwith, Leonard F., 113 W. 38th
Bensel, John A., 64 E. 79th
Bogart, John, 71 Broadway
Bogue, Virgil G., 127 E. 23d
Boller, Alfred P., 71 Broadway
Breithaupt, Wm. H., 18 Broadway
Briggs, Josiah A., Fordham (City)
Brinckerhoff, Alex. G., 114 Leonard
Brinckerhoff, H. Walter, 113 W. 38th
Brown, Chas. O., 18 Broadway
Brown, Thos. E., jr., 38 Park row
Bryson, Andrew, 12 Broadway
Buchholz, Carl W., 21 Cortlandt
Buck, Leffert L., 18 Broadway
Burr, Wm. H., 2 Nassau
Bush H. D., 15 Broad
Campbell, Allan, 125 Lexington av
Childs, Jas. E., 16 Exchange place
Church, Benj. S., 54 W. 12th
Clark, Jacob M., 119 Liberty
Clarke, Thos C., 1 Broadway
Collingwood, Francis, 127 E. 23d
Comstock, Cyrus B., 39 Whitehall
Copper, Samuel L., Yonkers, N. Y.
Copper, Theo., 35 Broadway
Cornell, Geo. B., 143 Centre
Croes, J. James R., 13 William
Crowell, J. Foster, 18 Broadway
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Delafield, Clarence, 2 Wall
Devin, Geo., 35 Broadway
Deyo, S. L. F., 10 E. 119th
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Dorsey, Edward B., 127 E. 23d
Duane, Jas. C., 280 Broadway (honorary)
Dunham, H. F., 150 Broadway
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Eckert, Edward W., 34 W. 38th
Egleston, Thomas, 35 W. Washington sq
Emery, Chas. E., 32 Cortlandt
Farnum, Henry H., 141st and Third av
Felton, Samuel M., 80 Broadway
Fisher, Francis Davis
Flagg, J. Foster, 127 E. 23d
Forney, Matthias N., 17 E. 38th
Fouquet, John D., 48 Grand Central station
Fteley, Alphonse, 213 Stewart bldg
Fuller, Eugene F., 11 Wall
Gay, Martin, Dept. Public Works, city
Gillham, Robert, 45 Broadway
Gillon, Henry J., 229 Broadway
Gould, E. Sherman, 15 Wall
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Greene, Benj. D., 50 Broadway
Greene, Ed. A., 7 Nassau
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Hames, Henry S., 12 W. 23d
Hamilton, W. G., 105 E. 21st
Harding, Geo. E., 40 Exchange place.
Hardy, Geo. R., Times bldg
Harris, Robert L., 1 Broadway
Hasell, Bentley D., 66 Pine
Haskins, Wm. J., 41 W. 105th
Haswell, Chas. H. 42 Broadway
Haviland, Arthur, N. Y. C. R. R., room 9
Hayes, R. Somers. 32 Nassau
Hegeman, Wm. W., 40 Wall
Hering, Rudolph, 277 Pearl
Herschell, Clemins, 2 Wall
Hevag, Sidney W., jr., 1718 Madison av
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Katte, Walter, 523 Madison
Knap, Jos. M., 365 West
Loomis, Horace, 31 Chambers
Lucius, Albert, 71 Broadway
MacDonald, Chas., 1 Broadway
Maclay, Wm. W., 24 W. 120th
Mallory, Geo. B., 55 Broadway
McCool, Daniel, care of C. L. W., Eidlitz, 128 Broadway
McMinn, Thos. J., 277 Pearl
McNulty, Geo W., 45 Broadway
Meyer, Thos. C., 11 Waverly place
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Osgood, Jos. O., 120 Broadway
Ostrom, John N., 45 Broadway
Owen, Fred. N., 58 W. 91st
Packard, Ralph G., 34 Pine
Paine, Arthur B., Windsor Hotel, 46th and 5th av
Paine, Chas., 71 Broadway
Parker, Andrew McC., foot E. 16th
Parsons, Wm. B., 35 Broadway
Post, Andrew J., 102 Broadway
Post, Levi W., 102 Broadway
Prentiss, F. H., 2 Cortlandt
Prout, Henry G., 73 Broadway
Rives, Alfred L., Mills bldg
Rothwell, Richard P., 27 Park place
Rowland, Thos F., 329 Madison av
Saunders, Wm. L., 10 Park place
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Schenck, A. A. (N. Y. C. & H. R. R. R. Co.)
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Simpson, Alfred H., 35 Broadway
Simpson, Geo. F., 127 E. 23d

Skinner, Frank W., 277 Pearl
Smith, Albert M., Consol. Gas Co., 18th and 10th av
Smith, D. Lober, 62 W. 83d
Sooysmith, Chas., 2 Nassau
Sorzano, Julio F., 33 Broadway
Spencer, Samuel, 23 Wall
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Staats, Robert P. 29 Broadway
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Staulfer, David McN., Tribune bldg
Stewart, John M., 322 W. 58th
Talcott, Cook, 136 Liberty
Thomas, Jos. R., 138 E. 79th
Thompson, Samuel C., 2775 Third av
Thomson, Geo. H. (N. Y. C. & H. R. R. R., room 48)
Thomson John, 212 Temple court
Thorndike, John L., 66½ Pine
Tomlinson, Alfred T., 261 Broadway
Towles, Stevenson, 31 Chambers
Van Horne, John G., 15 Cortlandt
Voorheese, Theo., N. Y. C. & H. R. R. R. depot
Walker, W. W., 11 Wall
Wardlaw, Jas. R., 395 W. 138th
Watkins, Fred. W., 118 E 115th
Wegmann, Edward, jr., 324 St. Nicholas av
Weiskope Samuel C., 44-46 Wall
Wellington, Arthur M. (Tribune bldg)
Wheeler, S. S., 430 W. 14th
White, W. H., 74 Wall
Wiley, W. H., 53 E. 10th
Williamson, F. Stuart, 1 Broadway
Worthen, Wm. E., 63 Bleecker

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Walker, C. L., 113 W. 38th
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Miller, Spencer, 96 Liberty
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Tompkins, Calvin, 159 Broadway

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Ferrer, Carlos F., 39 Broad
Furman, J. R., 47 W. 19th
Hildreth, R. W., 2 Wall
Hooper, John J., 165 W. 122d
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Lant, Frank P., 138 W. 61st
Lawlor, Frank D. H., 127 E. 23d
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Tucker, Wm. C., 109 E 16th
Vaux, Downing (Bible house)
Viele, Maurice A., 324 St. Nicholas av
Warner, Chas. S., 132 Broadway
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Yates, Preston R, 236 W. 55th
York, Herbert W., 22 Cortlandt

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Barber, A L., 1 Broadway
Clarke, Thos C., 1 Broadway
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Cooper, Edward, 17 Burling slip
Darwin, Harry G., 160 Broadway
Dillon, Sidney, 42 Wall
Flint, Chas. R., 4 E. 36th
Gurney, Walter S., 7 Nassau
Hutchinson, Collis P., 23 Broad
Merritt, Geo., 131 William
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Armstrong, A. J., 612 Main st. Fort Worth, Texas.
Arnold, E. W., 57 Buhl block, Detroit, Mich.
Atwood, D. T., 335 Broadway, New York.
Babson, Seth, Phelan bldg, San Francisco, Cal.
Baldwin, M. H., 310 2d st. Memphis, Tenn.
Barnes, Julian, Joliet, Ill.
Barnum, F. S., 40 Blackstone st. Cleveland, O.
Bartberger, C. M., 6th av. and Smithfield st. Pittsburgh, Pa.
Bassford, E. P., 29 Gilfillian block, St. Paul, Minn.
Bauer, Augustus, Marine Bank bldg, Chicago, Ill.
Baumann, Frederick, 32 Metropolitan block, Chicago, Ill.
Baumann, J. F., 122 Gay st. Knoxville, Tenn.
Baxter, George W., Syracuse, N. Y.
Beattie, J., 1122 Pine st. St. Louis, Mo.
Beaumont, G., 115 Dearborn st. Chicago, Ill.
Beck, Paul, 52 William st. New York City
Beers, M. L., Ins. Exchange bldg, Chicago, Ill.
Bell, M. F., 218 Clark st. Chicago, Ill.
Beman, S. S., 517 Pullman bldg, Chicago, Ill.
Berg, L. De Coppett, 111 Broadway, New York, N. Y.
Berlin, R. C., 234 La Salle st. Chicago, Ill.
Bethune, Mrs. L., 531 Main st. Buffalo, N. Y.
Blaby, Joseph, Palmyra, N. Y.
Blackall, C. H., Cen. Music Hall bldg, Boston, Mass.
Block, Otto, 703 Wilder bldg, Rochester, N. Y.
Bloor, A. J., 18 Broadway, New York, N. Y.
Blumenthal, A., 22 South Jefferson st. Chicago, Ill.
Bohlen, O. D., 95 East Washington st. Indianapolis, Ind.
Boll, John H., 5th and Walnut sts. Cincinnati, O.
Bondrerle, L., Wick bldg, Youngstown, O.
Boyd, Thomas, 64 5th av. Pittsburgh, Pa.
Boyden, A. J., 413 Walnut st. Philadelphia, Pa.
Boyden, Elbridge, Worcester, Mass.
Brauns, Henry, Lexington and Charles sts. Baltimore, Md.
Briggs, W. R., 338 Main st. Bridgeport, Conn.
Brigham, Charles, 19 Milk st. Boston, Mass.
Brown, Glenn, 937 F st. N. W. Washington, D. C.
Brown, W. R., 46 Wiggins block, Cincinnati, O.
Bruce, A. C., Decatur st. Atlanta, Ga.
Bulkley, L. C., 46 Turner bldg, St. Louis, Mo.
Bullard, G. W., Tacoma, Wash.
Bullard, S. A., 4 Y. M. C. A. bldg, Springfield, Ill.
Burke, C. C., 282 Miam st. Memphis, Tenn.
Burnham, D. H., 1142 Rookery bldg, Chicago, Ill.
Burns, S. R., Kuhn's bldg, Dayton, O.
Cabot, E. C., 62 Devonshire st. Boston, Mass.
Cady, G. W., 37 Weybossett st. Providence, R. I.
Cady, J. C., 111 Broadway, New York City.
Campbell, H. L., 485 Main st. Buffalo, N. Y.
Carlin, W. W., 52 Court st. Buffalo, N. Y.
Carpenter, C. E., 65 Westminster st. Providence, R. I.
Carr, E. T., Denver, Colo.
Carrere, Jno., jr., 46 Broadway, New York.
Cassell, C. E., 301 N. Charles st. Baltimore, Md.
Chamberlain, S. E., 38 Long bldg, Kansas City, Mo.
Chandler, J. G., Racine, Wis.
Chandler, F. W., 60 Devonshire st. Boston, Mass.
Chandler, T. P., jr., 249 S. 16th st. Philadelphia, Pa.
Charnley, F. L., 163 State st. Chicago, Ill.
Church, John R., 2 Hayward bldg, Rochester, N. Y.
Clark, C. J., 502 Fourth av. Louisville, Ky.
Clark, C. W., Am. Cent. Bank bldg St. Louis, Mo.
Clark, Dillon P., 413 Phœnix block, Bay City, Mich.
Clark, Edward, U. S. Capitol, Washington, D. C.

Clark, T. M., 22 Congress st. Boston, Mass.
Clas, Alfred C., 421 Milwaukee st. Milwaukee, Wis.
Clausen, F. G., 205 West 3d st. Davenport. Ia.
Clay, W. W., 218 La Salle st. Chicago, Ill.
Clayton, N. J., Fremont and Grand sts. Galveston, Texas.
Cleveland, L. D., "Rookery." Chicago, Ill.
Clinton, C. W., 32 Nassau st., New York
Cluss, Adolph, 413 Second st., N. W., Washington, D. C.
Cobb H. I., Owings Building, Chicago, Ill.
Cobb, Oscar, 315 Dearborn st., Chicago, Ill.
Coburn, F. A., 40 Blackstone Building. Cleveland, O.
Colton. C. E.. 13 Larned Building, Syracuse, N. Y.
Colton, A. M. F., 70 Reaper Block, Chicago, Ill.
Congdon, H. M., 18 Broadway, New York.
Cook, Edwin. Pine Bluff, Ark.
Cook, John F., Chillicothe, O.
Cook, Samuel A., Tacoma, Wash.
Cook, Walter, 55 Broadway. New York.
Coolidge. C. A., 230 La Salle st., Chicago, Ill.
Cooper, Francis W., Pueblo, Colo.
Cooper, G. E., 173 Genesee st., Utica, N. Y.
Cordes, A. W., 146 Broadway, New York.
Coxhead, J. H., Drake Block, St. Paul, Minn.
Cram, A. B., 80 Griswold st., Detroit, Mich.
Crapsey, Charles, 45 Wiggins Block, Cincinnati, O.
Cudell, A., 20 Metropolitan Block, Chicago, Ill.
Cummings, C. A., 70 Kilby st., Boston, Mass.
Curlett, William, 307 Sansome st., San Francisco, Cal.
Curtin, C. A., Bullitt and Main sts., Louisville, Ky.
Cutler, J. G., 50 Trust Building, Rochester, N. Y.
Cutting, A. P., Worcester, Mass.
Da Cunha, G. W., jr., 47 Church st., Montclair, N. J.
Daggert, R. P., 18 When Block, Indianapolis, Ind.
Dallas, S. C., "The Progress" Building, Salt Lake City, Utah.
Deery, John J., 435 Chestnut st., Philadelphia, Pa.
De Lemos, Theodore, 146 Broadway, New York.
Des Jardins, S. E., 62 Pike's Building, Cincinnati, O.
Dickson, W., Bible House, New York. N. Y.
Didden, C. A., 709 13th st., N. W., Washington, D. C.
Dillenbeck, Noah, Syracuse, N. Y.
Dimmock, M. J., 1103 Main st., Richmond, Va.
Doekstader, Otis, 159 Lake st., Elmira, N. Y.
Dodson, Wesley C., Waco, Tex.
D'Oench, A. F., 157 East 67th st., New York
Donaldson, John M., 49 Moffat Building, Detroit, Mich.
Douglass, J., 427 Milwaukee st., Milwaukee, Wis.
Drach, G. W., 227 Main st., Cincinnati, O.
Druiding, A., 27 Metropolitan Block, Chicago, Ill.
Dryer, O. W., 26 Osborn House Block, Rochester, N. Y.
Dunham, C. A., Burlington, Ia.
Dunn, W. H., 90 Euclid av., Cleveland, O.
Dunnell, W. P., Bank of Commerce Building, Minneapolis, Minn.
Eames, W. S., 304 N. Eighth st., St. Louis, Mo.
Earle, S. C., 592 Main st., Worcester, Mass.
Eckel, Edmund J., 4th and Felix sts., St. Joseph, Mo.
Edbrooke, George H., 26 Temple Court, New York
Edbrooke, W. J., Sup. Archt., Washington, D. C.
Eichhorn, A., Library bldg, Orange, N. J.
Eisenmann. J., Arcade bldg, Euclid av, Cleveland, O.
Ellis, F. M., Omaha, Neb.
Elzner, A. O., 227 Main st. Cincinnati, O.
Eppinghausen, Charles, 3038 Lake Park av. Chicago, Ill.
Evans, T. D., 6th av and Smithfield st. Pittsburgh, Pa.
Everett, A. G., 60 S. Devonshire st. Boston, Mass.
Fallis, E. O., 49 Chamber of Commerce, Toledo, O.
Fassett, E. F., 93 Exchange st. Portland, Me.
Fay, Jay, Rochester, N. Y.
Ferry, G. B., 31 Mack Block, Milwaukee, Wis.
Fiedler, A., 90 La Salle st. Chicago, Ill.
Field, F. E., Providence, R. I.
Field, George W., "Bee" bldg, Omaha, Neb.
Fisher, George L., Paxton Block, Omaha, Neb.
Fisher, R., 50 Montauk Block, Chicago, Ill.
Fitzner, William, 31 Carondelet st. New Orleans, La.
Flanders, J. E., 109 Maine st. San Diego, Cal.
Flanders, J. J., 228 La Salle st. Chicago. Ill.
Fleischman, Adolph N., Pearl & Steuben sts. Albany, N. Y.
Fludder, J., 26 Bellevue av. Newport, R. I.
Folz, Fritz, 58 Wabash av. Chicago, Ill.
Foote, Orlando K., Rochester, N. Y.
Forbush, Walter R., 8 Beacon st. Boston, Mass.
Fox, J. A., 120 Tremont st. Boston, Mass.
Frederick, G. A., 315 N. Charles st. Baltimore Md.
Freese, J. M., 91 Wesley Block, Columbus, O.
Freret, W. A., Mount Jackson, Va.
Frost, C. S., Pullman bldg, Chicago, Ill.
Furber, P. P., 304 N. 8th st. St. Louis, Mo.
Furlong, Thomas J., City Hall, St. Louis, Mo.
Furst, Charles J., La Salle & Randolph sts. Chicago, Ill.
Gay, H. L., 90 La Salle st. Chicago, Ill.
Gauger, A. F., 233 E. 7th st. St. Paul, Minn.
Gearing, J. V., 46 Leitz bldg, Detroit, Mich.
Gibbs, D. W., Oklahoma, D. Ter.
Gibson, R. W., 18 Wall st. New York
Gilbert, C. P. H., 18 Broadway, New York
Gill, R. Z., Knoxville, Tenn.
Goodwin, Geo. M., 37 Windom Bldg., Minneapolis, Minn.
Gott, J. C., Charles and Fayette sts., Baltimore, Md.
Gouge, F. H., Utica, N. Y.
Gould, T. J., 87 Weybossett st., Providence, R. I.
Green, E. B., 87 West Genesee st., Buffalo, N. Y.
Green, Lonsdale, Anniston, Ala.
Griffin, J. W., Watertown, N. Y.
Grodavent, F. J., 12 14th st., Denver, Colo.
Grosvenor, Lemuel D., Jackson, Mich.

Haight, C. C., 111 Broadway, New York
Hale, Willis G., 2219 Trinity Place, Philadelphia, Pa.
Hallberg, L. G., 119 La Salle st., Chicago, Ill.
Hamilton, Fred. B., 901 Main st., Kansas City, Mo.
Hamilton, H. R. P., 49 Chamber of Commerce, St. Paul, Minn.
Hamilton, J. A., 39 Broadway, New York.
Hammatt, Edward S., Third and Brady sts., Davenport, Ia.
Hammon, Geo. F., 166 Euclid ave., Cleveland, O.
Hancock, Geo., Fargo, Dak.
Hannaford, S., Hullbui Blk., Cincinnati, O.
Hardenbergh, H. J., 10 West 23d st., New York.
Harney, G. E., 149 Broadway, New York.
Harteau, David M., Green Bay, Wis.
Hartwell, H. W., 68 Devonshire st., Boston, Mass.
Hasecoster, John A., Richmond, Ind.
Haskell, J. G., Gavitt & Scott's Block, Topeka, Kan.
Hayes, Warren H., 254 Hankin Ave., Minneapolis, Minn.
Hazlehurst, Edward, 925 Drexel Bldg. Philadelphia, Pa.
Hedges, W. S., The Progress Building, Salt Lake City, Utah.
Helmburger, G. W., 418½ Olive st. St. Louis, Mo.
Helmele, G. H., 430 S. 15th st. Springfield, Ill.
Herr, Fred., Dubuque, Ia.
Herr, Fred., jr., Dubuque, Ia.
Hess, Julius, 38 Buhl Block, Detroit Mich.
Hill, H. W. Chicago, Ill.
Hill, J. G., Corcoran Building, Washington, D. C.
Hodgston, J., Denver, Colo.
Hohenschild, H. H., Rolla, Mo.
Holabird, Wm. 1618 Monadnock, Chicago, Ill.
Holbrook, W. A., Milwaukee, Wis.
Holly, H. Hudson, 111 Broadway, New York
Hoppin, Howard, 33 Westminister st. Providence, R. I.
Huber, J., 179 Washington st. Chicago, Ill.
Huckel, Samuel, jr., 925 Drexel bldg. Philadelphia, Pa.
Hull W. S., Sheffield, Ala.
Humble, F. W., 10 German Insurance bldg. Buffalo, N. Y.
Hunt, R. H., 154 Nassau st. New York
Hunt, Richard M., 154 Nassau st. New York
Hyde, Frank D., Bradley Block, Dubuque, Ia.
Hisley, C. E., Equitable bldg. St. Louis, Mo.
Ingham, J. Q., Elmira, N. Y.
Isaacs, H. G., 204 West Third st. St. Louis, Mo.
Ittner, W. B., St. Louis, Mo.
Jacques, H., 8 Beacon st. Boston, Mass.
Janssen, E. C., 506 Olive st. St. Louis, Mo.
Jenison, E. S., 151 Monroe st. Chicago, Ill.
Jenney, W. L., 1120 Home Ins. bldg. Chicago, Ill.
Jennings, A. B., 145 Broadway, New York
Johnson, C. H., 76 German-American Bank bldg. St. Paul, Minn.
Johnson, J. P., Ogdensburg, N. Y.
Josselyn, H. S., 19 First Avenue, Cedar Rapids, Ia.
Kafka, Hugo, 137 Broadway, New York
Kelly, W. Foster, Rochester, N. Y.
Kendall, E. H., 150 Fifth ave. New York
Kent, E. A., White bldg. Buffalo, N. Y.
Kilburn, H. F., 229 Broadway, New York
King, George E., El Paso, Texas
Kipp, A. H., 202 Market st. Wilkes Barre, Pa.
Kirby, J. H., Syracuse, N. Y.
Kirschner, H. W., 620 Chestnut st. St. Louis, Mo.
Kissam, H. G., 1307 Pacific ave. Tacoma, Wash.
Kley, H. T., 125 Milwaukee ave. Chicago, Ill.
Koch, H. C., Milwaukee, Wis.
Koulm, J. J., 218 La Salle st. Chicago, Ill.
Kramer, G. W., Akron, O.
Lacey, B. T., Binghamton, N. Y.
Lacey, T. J., Kent Block, Binghamton, N. Y.
Larmour, W. W., Waco, Texas
Le Brun, Napoleon, 50 Broadway, New York
Le Brun, Pierre L., 50 Broadway, New York
Lederle, Joseph, 196 Broadway, New York
Legg, J. B., 411 Olive st. St. Louis, Mo.
Lewis, E. J., jr., 9 Park st. Boston, Mass.
Lincoln, B. M., 281 Main st. Hartford, Conn.
Lind, E. G., 63 Whitehall st. Atlanta, Ga.
Lindsay, Henry C., Zanesville, O.
Link, T. C., Equitable bldg. St. Louis, Mo.
Lintwaite, Herbert H., 18 N. High st. Columbus, O.
Lizius, J. B., 18 When Block, Indianapolis, Ind.
Lloyd, G. W., 34 Fort st. N. W. Detroit, Mich.
Longfellow, A. W., 6 Beacon st. Boston, Mass.
McClarren, S. T., 64 Fifth av. Pittsburgh, Pa.
McDonald, H. P., Fifth and Market sts. Louisville, Ky.
McFarlane, Walter, 34 Moffat bldg. Detroit, Mich.
McKin, C. F., 1 W. 20th st. New York
McLaughlin, J. W., 46 Johnson bldg. Cincinnati, O.
McNamara, J. H., 212 N. Third st. St. Louis, Mo.
MacMurphy, A. M., 8 Gray's Piazza, Augusta, Ga.
Macomb, H. A., Drexel bldg, Philadelphia, Pa.
Mahurin, Marshall S., Pixley Block, Fort Wayne, Ind.
Mann, George R., Fourth and Felix sts. St. Joseph, Mo.
Marshall, H. R., 74 Wall st. New York
Mason, G. C., jr., Drexel bldg, Philadelphia, Pa.
Mason, G. D., 80 Griswold st. Detroit, Mich.
Matthews, J. S., 208½ 16th st. Cheyenne, Wyo.
Matz, Otto H., 78 La Salle st. Chicago, Ill.
Maury, M., 203 W. Main st. Louisville, Ky.
May, C., Fifth & Olive sts. St. Louis, Mo.
Meier, H. J., Moffat bldg, Detroit, Mich.
Mendelssohn, Louis, 6 Paxton Block, Omaha, Neb.
Merrick, Asa L., Syracuse, N. Y.
Merrill, E. L., Des Moines, Ia.
Metzger, G. J., 19 W. Huron st. Buffalo, N. Y.
Millard, D. W., 416 Lumbermen's Exchange, St. Paul, Minn.
Miller, George H., Bloomington, Ill.
Moody, Austin, 161 La Salle st. Chicago, Ill
Morgan, Thomas H., Atlanta, Ga.
Morse, A. C., 5 Custom House st. Providence, R. I.
Moser, G. C., 126 Main st. Norfolk, Va.
Moser, John, 939 Massachusetts av. Washington, D. C.

Murphy, J., 128 N. Main st Providence, R. I.
Nerta, O. Von, 1405 F st. N. W., Washington, D. C.
Nickerson, Edward I., 55 Westminster st. Providence, R. I.
Nolan, Thomas, 501 Wilder bldg, Rochester, N. Y.
Ord, John, 246 City Hall, Philadelphia, Pa.
Orff, George W., 600 Lumber Exchange, Minneapolis, Minn.
Orth, George S., 43 Sixth av, Pittsburgh, Pa.
Osborne, C. Francis, Cornell University, Ithaca, N. Y.
Osgood, Sidney J., 9 Porter Block, Grand Rapids, Mich.
Otis, W. A., 175 Dearborn st. Chicago, Ill.
Owsley, C. H., Wick Block, Youngstown, O.
Palmer, C. M., 204 Dearborn st. Chicago, Ill.
Parker, Marcellus H., Coldwater, Mich.
Pashley, A. F., 107 Dearborn st. Chicago, Ill.
Patton, Normand S., 50 Montauk Block, Chicago, Ill.
Patton, S. M., Chattanooga, Tenn.
Payne, George W., Carthage, Ill.
Peabody, R. S., 60 Devonshire st. Boston, Mass.
Peebles Andrew, Pittsburgh, Pa.
Pelz, P. J., 145 E. Capitol st. Washington, D. C.
Percival, Charles R., 45 American Block, Buffalo, N. Y.
Peters, Luther, Kuhn's bldg, Dayton, O.
Phillips, H. W., 1009 Arch st. Philadelphia, Pa.
Pierce, J. H., Elmira, N. Y.
Pierce, O. J., 155 La Salle st. Chicago, Ill.
Plack, W. L., 1403 Filbert st. Philadelphia, Pa.
Plant, James C., 408 Nicollet av, Minneapolis, Minn.
Poindexter, W. M., 1505 Pennsylvania av, Washington, D. C.
Porter, Cyrus K., 43 American Block, Buffalo, N. Y.
Porter, J. R., 43 American Block, Buffalo, N. Y.
Post, G. B., 33 E. 17th st. New York
Potter, W. A., 121 E. 23d st. New York
Powell, W. B., 3125 Powellton av, Philadelphia, Pa.
Pragne, J. G., 1512 Broadway, New York
Preston, J. N., Los Angeles, Cal.
Preston, W. G., 186 Devonshire st. Boston, Mass.
Price, Bruce, 150 Fifth av, New York
Quackenboss, L. G., 218 La Salle st. Chicago, Ill.
Ramsey, Charles K., Houser Block, St. Louis, Mo.
Randall, J. A., Syracuse, N. Y.
Randolph, S. M., 156 Lake st. Chicago, Ill.
Rapp, G. W., 84 Johnston bldg.
Reid, James W., San Diego, Cal.
Reid, Merritt J., Merchants' National Bank bldg, Evansville, Ind.
Renwick, James, 71 Broadway, New York
Rice, Zach., 80 Griswold st. Detroit, Mich.
Richardson, John N., 204 Superior st. Cleveland, O.
Richardson, W. C., 68 Devonshire st. Boston, Mass.
Ricker, N. Clifford, Urbana, Ill.
Robertson, R. H., 121 E. 23d st. New York
Robinson, Leon W., 760 Chapel st. New Haven, Conn.
Robinson, W. G., Grand Rapids, Mich.
Roche, Martin, 1618 Monadnock, Chicago, Ill.
Rogers, Louis P., Rochester, N. Y.
Rogers, James S., jr., Moffat bldg, Detroit, Mich.
Roseman, R. E., 38 Buhl Block, Detroit, Mich.
Rosenheim, A. F., 417 Olive st. St. Louis, Mo.
Ross, John W., Davenport, Ia.
Ross, William, Sanford, Me.
Rotch, A., 85 Devonshire st. Boston, Mass.
Rowe, H. L., P. O. Box 238, Lexington, Ky.
Rudolph, C., 106 Fifth av, Chicago, Ill.
Rueckert, Emil G., 5th & Main sts. Cincinnati, O.
Ruehl, P. W., 663 S. Ashland av, Chicago, Ill.
Russell, H., 106 Mason st. Milwaukee, Wis.
Rutan, C. H., 13 Exchange pl, Boston, Mass.
Sanders, G. H., 418 California st. San Francisco, Cal.
Sawtelle, F. J., 5 Custom House st. Providence, R. I.
Scharn, J. H., 43 Thorp Block, Indianapolis, Ind.
Schaub, L. J., 214 Milwaukee av, Chicago, Ill.
Scherrer, Adolph, 17 Masonic Temple, Indianapolis, Ind.
Schneider, T. F., 933 F st. N. W., Washington, D. C.
Schwabe, E. E., 204 Superior st. Cleveland, O.
Schweinfurth, C. F., 36 Blackstone bldg, Cleveland, O.
Scotfield, L. T., 22 Case Block, Cleveland, O.
Scott, Arthur H., 67 Moffat bldg, Detroit, Mich.
Scott, Jno., 67 Moffat bldg, Detroit, Mich.
Sears, W. T., 70 Kilby st. Boston, Mass.
See, Milton, Jackson bldg, New York
Sharp, Robert, Nashville, Tenn.
Shaw, G. R., 17 Congress st. Boston, Mass.
Shepley, G. F., 13 Exchange st. Boston, Mass.
Shipman S. V., 232 La Salle st. Chicago, Ill.
Silsbee, J. L., 53 Lakeside bldg, Chicago, Ill.
Siter, H. E., 3d & Walnut sts. Cincinnati, O.
Slocum, S. G., 126 W. 23d st. New York
Smith, Alfred, 151 Monroe st. Chicago, Ill.
Smith, George H., Benedict bldg, Cleveland, O.
Smith, J. C., Market Square, Harrisburg, Pa.
Smith, M. L., 17 Walker Block, Detroit, Mich.
Smith, O. C., Austin, Cook Co., Tex.
Smith, Wm. C., Berry Block, Nashville, Tenn.
Smithmeyer, J. L., 1413 G st. N. W., Washington, D. C.
Stevens, J. C., Oxford bldg Portland, Me.
Stead, Robert, 906 F. st. N. W., Washington, D. C.
Stiles, C. L., 115 Dearborn st. Chicago, Ill.
Stine, D. L., Chamber of Commerce, Toledo, O.
Stolze, Gustave, Batavian Bank bldg, La Crosse, Wis.
Stone, A., 65 Westminster st. Providence, R. I.
Stratton, S. V., 57 Broadway, New York
Strippleman, William, 161 La Salle st. Chicago, Ill.
Sturgis, Russell, 307 E. 17th, New York
Sturgis, R. C., 19 Exchange pl, Boston, Mass.
Sullivan, L. H., Auditorium bldg, Chicago, Ill
Sully, Thomas, 71 Baronne st. New Orleans, La.
Sutcliffe, John, 28 Office bldg, Birmingham, Ala.

Taylor, E. H., 19 First av, Cedar Rapids, Ia.
Taylor, Isaac S., 420 Olive st. St. Louis Mo.
Taylor, James K., 39 Gilfillian Block, St. Paul, Minn.
Terrell, Eliah, Columbus, O.
Thompson, George W., 74 Cole bldg, Nashville, Tenn.
Thompson, H. C., Nashville, Tenn.
Thompson, L. S., 30 Park st. Jersey City, N. J.
Thompson, Rufus, Youngstown, O.
Thorp, A. H., 31 Union sq. W., New York
Tilden, G., Odd Fellows' bldg., Canton, O.
Tilden, G. T., 85 Devonshire st. Boston, Mass.
Tilton, John N., 929 Opera House bldg, Chicago, Ill.
Toledano, Albert, 71 Baronne st., New Orleans, La.
Torgerson, G. M., Birmingham, Ala.
Townsend, F. B., 143 La Salle st. Chicago, Ill.
Traphagen, Oliver G., Duluth, Minn.
Treat, S. A., 58 Wabash av, Chicago, Ill.
Tully, Kivas, American Cent. Bank bldg, St. Louis, Mo.
Tyndall, W. H., Galveston, Tex.
Upjohn, R. M., 111 Broadway, New York
Van Brunt, Henry, 1214a Main st. Kansas City, Mo.
Van Brunt, Adriance, 200 W. 6th st. Kansas City, Mo.
Vaughan, H., 5 Pemberton sq., Boston, Mass.
Vigeant, G., 59 Dearborn st. Chicago, Ill.
Vonnegut, Bernard, 62 Vance Block, Indianapolis, Ind.
Wahrenberger, James, 250 W. Commerce st. San Antonio, Tex.
Walker, C. H., 6 Beacon st. Boston, Mass.
Walker, W. C., Rochester, N. Y.
Walker, William T., Montgomery, Ala.
Wallingford, C. A., 48 German-American Bank bldg, St. Paul, Minn.
Walter, E. L., Liberty bldg, Scranton, Pa.
Ware, James E., 45 Broadway, New York
Ware, W. R., Columbia College, New York
Warren, C. J., 84 La Salle st. Chicago, Ill.
Warren, H. L., 9 Park st. Boston, Mass.
Washburn, George, Box 915, Ottawa, Kan.
Weary, F. O., 173 S. Main st. Akron, O.
Wehle, O. C., 142 N. Main st. Salt Lake City, Utah.
Weissbein, L., 41 Tremont st. Boston, Mass.
West, A. L., Richmond, Va.
Wetherell, G. H., 3 Hamilton pl, Boston, Mass.
Wheelwright, E. M., 6 Beacon st. Boston, Mass.
White, Stanford, 57 Broadway, New York
Whitehouse, F. M., 36 Clark st. Chicago, Ill.
Whitney, W. C., 56 Minnea. L. & T. bldg, Minneapolis, Minn.
Wicks, W. S., 89 W. Genesee st. Buffalo, N. Y.
Wilcox, C. F., 45 Westminster st. Providence, R. I.
Willard, D. W., 55 Broadway, New York
Willett, J. R., 107 Dearborn st. Chicago, Ill.
Williams, Charles L., 21 Callahan bldg, Dayton, O.
Wilson, E. R., 65 Westminster st. Providence, R. I.
Wilson, H. N., 3 North st. Pittsfield, Mass.
Wilson, H. R., 18 La Salle st. Chicago, Ill.
Wilson, J. A., 1 E. Lexington st. Baltimore, Md.
Wilson, J. M., Drexel bldg, Philadelphia, Pa.
Wilson, W. T., 1 E. Lexington st. Baltimore, Md.
Windrim, J. H., Supervising Architect, Treasury Department, Washington, D. C.
Wing, J. F., Old's Block, Fort Wayne, Ind.
Wolters, Henry, The Fonda, Louisville, Ky.
Woodworth, J. B., 492 Main st. Worcester, Mass.
Wright, F. A., 47 Liberty st., New York
Wright, John, 418 California st. San Francisco, Cal.
Wyatt, J. B. N., 301 N. Charles st. Baltimore, Md.
Yost, Joseph W., Columbus, O.
Young, T. C., 304 N. Eighth st. St. Louis, Mo.
Zimmerman, W., 228 La Salle st. Chicago, Ill.
Zwicker, J. G., 36 Vanderbilt bldg, Nashville, Tenn.

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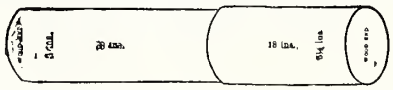

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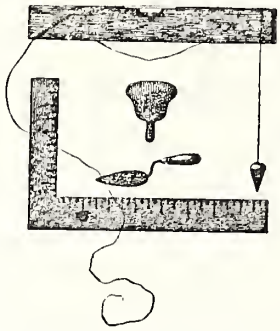

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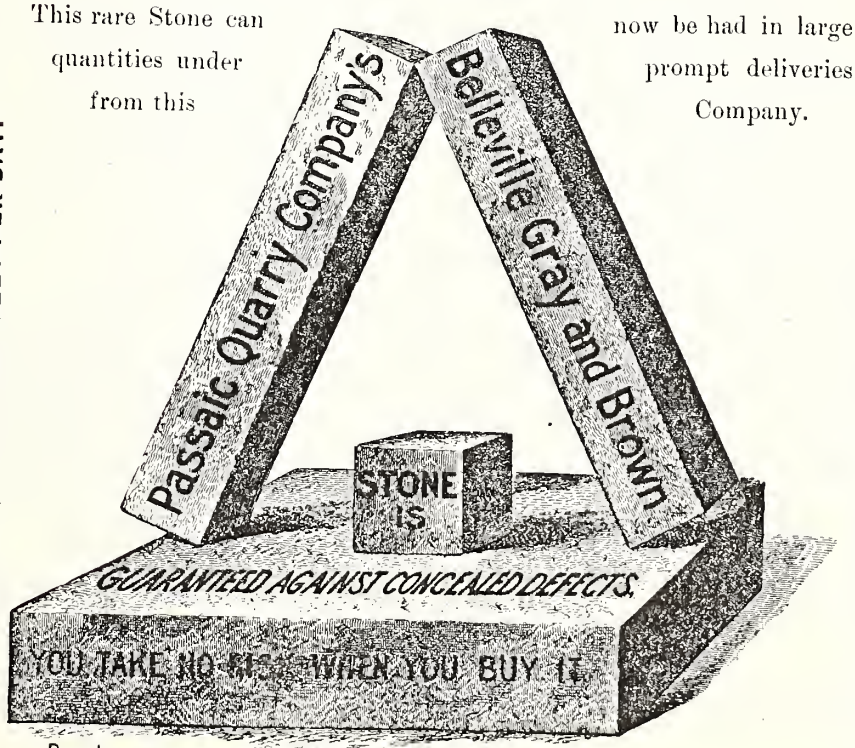

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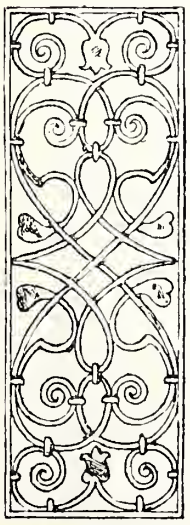

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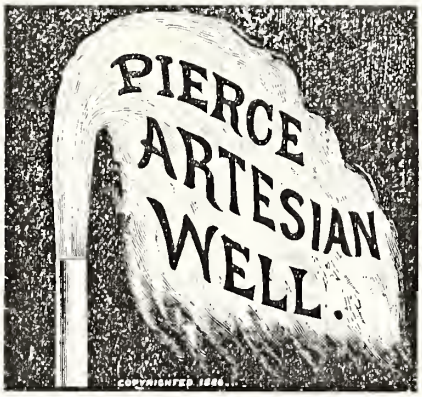

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Trinidad Asphalt Paving Co. 29 Broadway
Warren Chemical and Mfg. Co. 81-83 Fulton
Wilson & Bailie Mfg. Co. 45 Broadway
Wootton, E. H. 35 Broadway

ARTISTIC FIRE PLACES, GRATES AND FENDERS.

Boote, Alfred, 1567 Broadway
Conover, J. S. & Co. 28-30 W. 23d (see add p. 85)
Heela Architectural Bronze and Iron Works, Pulitzer bldg, show rooms 48 51 (see add p. 28)
Howard & Morse, 45 Fulton (see add p. 5)
Howden & Fish (see add p. 79)
Jackson, Edwin A. & Bro. 50 Beekman
Jackson, W. H. & Co. 31 E. 17th, Union sq. (see add p. 84)
Jackson, W. Sons, 246 Front
Kirtland & Andrews, 46-48 Union sq. (see add p. 83)
Klaber, S. & Co. 47 W. 42d
Nichols, A. S. & Co. 15 W. 27th
Pries, W. H. 434 Canal
Traitel Bros. 499 Fifth av (see add p. 82)
Walsh, John, 387 Third av
Wilson, J. G. 74 W. 23d (see add p. 82)

ARTISTIC MARBLE WORK.

Aeschilmann & Pellarin, 231 E. 28th
Bailie, Samuel & Son, 208 E. 23d, and 211 E. 22d
Bailie, H. C. &. G. S. 312 E. 22d

Batterson, See & Eisele, 431 Eleventh av
Bouche, Henry L. 874 Broadway (see add p. 93)
Caterson, Robert, Woodlawn, N. Y.
Davidson Sons Marble Co. Eleventh av. and 27th (see add p 123)
Dimond, John, 218 W. 42d
Ellen, Kitson & Co., foot 25th and N. R.
Fischer, Robt. C. & Co., 97 E. Houston
Fritsch, Emil, 517 W. 20th
Herter Brothers, 154 Fifth av
Italian Mosaic Co. 163 E. 22d
Klaber, Adolph, 238 E. 57th
Klaber, S. & Co. 47 W. 42d and 58 W. 43d
Lamb, J. & R. 59 Carmine
Maxwell & Dempsey, 277 Cherry and 530 Water
Nichols & Shipway, 105-111 E. 128th
Taconic Marble Co. 280 Broadway
Theiss & Janssen, 413 E. 25th
Traitel Bros. 499 Fifth av (see add p. 82)
Volkening & Co. 232 E. 44th

ARTISTIC METAL GOODS MFRS.

American Art Metal Works, 50 Broadway
Ansonia Clock Co. 11 Cliff
Archer & Pancoast Mfg. Co 900 Broadway
Artistic Bronze Co. 6 E. 14th
Blaesius, Emile, 34 W. 3d
Bradley & Hubbard Mfg. Co. 21 Barclay and 26 Park pl
Carrere & Haas Iron Works, Lincoln bldg, 1 Union sq
Conover, J. S. & Co. 28-30 W. 23 (see add p. 85)
Craighead & Kintz Co. 33 Barclay
Fischer, George & Bro. r 211 Forsyth
Friedley & Foshardt, 171 Broadway, F. Stephaine, agt.
Haas, George, 170-172 Centre
Hainsley Metal Roofing Co. 18 Cliff
Hecla Architectural Bronze and Iron Works, Pulitzer bldg, show rooms 48-51 (see add p 28)
Henry-Bonnard Bronze Co. 430-436 W. 16th
Jackson, W. H. & Co. 31 E. 17th, Union sq (see add p. 84)
Jones, T. W. 170-172 Front
Judd, H. L. & Co. 87 Chambers
Lyles & Mills, 231 William
Manhattan Brass Co. 338 E. 28th
Meriden Bronze Co. Church c Park pl
Mitchell Vance Co. The, 836 Broadway
Muller's, Nicholas Sons, 117 Chambers
Mullins, W. H., 108 Chambers, J. T. Wagner, agt
Osborn, George R. 335 Broadway
Parker, Charles Co The, 97 Chambers
Pittsburgh Brass Co. limited, 44 Park pl
Power, Maurice J. 237 Broadway
Pries, William H. 434 Canal
Richards, M. H. & Co. 401 Broadway
Richey, Brown & Donald, 218-224 North 11th, Brooklyn, E. D. (see add p. 47)
Riley, Osborn Mfg. Co. 529 Broadway
Stein, Louis (brass), 378 Canal
Sternau, S. & Co., 85 Centre
Westervelt, A. B. & W. T. 102 Chambers (see add p. 203)
Williams, John, 544-556 W. 27th (see add p. 36)

ARTISTIC METAL MANTELS.

Conover, J. S. & Co. 28-30 W. 23d (see add p. 85)
Hecla Architectural Bronze and Iron Works, Pulitzer bldg, show rooms 48-51 (see add p 28)
Jackson, W. H. & Co. 31 E. 17th (see add p. 84)
Kirtland, Andrews & Co. 46 Union sq (see add p. 83)
Nicholas, A. S. & Co., 15 W. 27th
Williams, John, 540-556 W. 27th (see add p. 36)

ARTISTIC PLASTER WORKS.

Adamant Wall Plaster Mfg. Co. Bennett bldg, e Fulton and Nassau (see add p. 116)
Berger, Emil, 117 W. 100th
Berger's, H. Sons, 101 Fourth av
Borden, John, 537 Seventh av
Caumount, Eugene J. 64 Washington sq. South
Eastern Plaster Board Co., 50-52 New
Ellin, Kitson & Co., foot 25th, N. R.
King, J. B. & Co., 21-24 State (see add p. 115)
Klee Brothers, E. 42d
McAuliff, James, 537 Seventh av
Morrison, J. & J. 233 E. 42d
Mycenian Marble Co. 523-533 W. 59th (see add p. 200)
Nielson, William, 1535-1537 Broadway
Rock Plaster Co. of N. Y. 44 Broadway (see add p. 113)
Sinclair's, H. Sons, 327 Seventh av
Stereo Relief Mfg. Co 229-233 E. 41st
Walthausen, John H. A. 454 W. 41st

ARTISTIC STAMPED METAL WORK.

Conover, J. S. & Co. 28-30 W. 23d (see add p. 85)
Craighead & Kintz Co 33 Barclay
Friedley & Voshardt, 171 Broadway, F. Stephaine, agt
Haas, George, 170-172 Centre
Hamsley Metal Roofing Co. 18 Cliff
Hecla Architectural Bronze and Iron Works, Pulitzer bldg, show rooms 48-51 (see add p. 28)
Jackson, W. H. & Co. 27-29 E. 17th, Union sq (see add p. 84)
Jones, T. W. 170-172 Front
Judd, H. L. & Co. 87 Chambers
Lamb, J. & R.
Lyles & Mills, 231 William
Meriden Bronze Co. Church c Park pl
Mullins, W. H. 108 Chambers, J. T. Wagoner, agt
Northrop, Henry S. 30 Rose
N. Y. Metal Ceiling Co. 36-38 Eleventh av
Parker, Charles Co. The, 97 Chambers
Pries, William H., 434 Canal
Westervelt, A. B. & W. T. 102 Chambers (see add p. 203)
Williams, John, 540-556 W. 27th (see add p. 36)

ARTISTIC WOOD MANTELS.

Blank & Co. 16 Horatio
Boote, Alfred, 1567 Broadway
Bradley & Currier, Co. The, 308 Hudson
Brown, G. & C. 46 E. 14th
Buffalo Door & Sash Co. Ninth av. and 124th
Campbell Sash & Door Co. The, 429 E. 144th
Conover, J. & S. & Co. 30 W. 23 (see add p. 85.)
Davis, Reed & Alexander, 18 E. 15th
Ellen, Ketson & Co. foot 25th, N. R
Falk Mfg. Co. 21 E. 15th
Hall & Garrison, 32 Warren
Hayden Furniture Co. The, 1 W. 34th
Howden & Fish, Chelsea Hotel, 218-220 W 23d (see add p. 77)
Jackson, W. H. & Co. 27-29 E. 17th (see add p. 84)
Jenkins Co. 247 Canal
Keogh, C. B. & Co. 4 Howard
Kertseher & Co. 528-532 W. 24th
Killian Bros. 157-159 W. 32d
Kirtland, Andrews & Co. 46-48 Union sq (see add p. 83.)
Morgan Furniture Co. 1180 Broadway
Nicholas, A. S. & Co. 15 W. 27th
N. Y. Lumber & Wood Working Co. The, 173 Broadway
Radley & Greenough (see add p. 92)
Rummler & Co. 369 W. 11th
Schmidt, B. 501 E. 70th
Traitel Bros. 499 Fifth av (see add p. 82.)
White, Potter & Paige, 18 E. 17th
Wilson, J. G. 74 W. 23d (see add p. 82)

ARTISTS' MATERIALS AND SUPPLIES.

Abraham Brothers, 473 Sixth av
Albrecht, H. & Son, 62 Fulton
Aquila Rich Paint & Color Co. 84 William
Beatty, Fred. 169 William
Benoit, Alphonze V. 146 Fulton
Budry, Peter, 235 Third av
Chase, Geo. H. 107th and First av

GEORGE H. CHASE,
MANUFACTURER OF
BEVELED GLASS SCREENS, GROUND PANELS
MIXING SLABS, PHOTO FORMS, Etc.,
Plain and Beveled Porcelain Panels.
107th St. & First Ave., NEW YORK.

Colt, J. B. & Co. 16 Beekman
Courcier, E. G. 32 W. 3d
Crocket, David B. Co. 84 William
Dechaux, Paul, 607 W. 52d
Decker, J. C. & Sons, 252 Broadway
Delamater, William G. 1320 Third av
Devoe, F. W. & Co. 103 Fulton

F. W. DEVOE & CO.,
ARTISTS' MATERIALS.
103 FULTON STREET,
NEW YORK
See Advertisement, page 90.

Dillon, Frederick, 113 W. 125th
Fox, M. Ewing, 708 E. 167th
Frederichs, Ernest, 140 Sullivan
Gage, Geo. A. 1472 Third av
Goldborg, Sigmund, 285 Sixth av
Hartmann, Martin H. 817 Broadway
Johanseen, William & Co. 323 Broadway
Keuffel & Esser Co. 127 Fulton and 42 Ann
Knoedler, M. & Co. 170 Fifth av
Kolesch & Co. 155 Fulton
Leidel, Henry, 51st and Sixth av
Mandelbaum, G. & Co. 16 Warren
Marsching, J. & Co. 27 Park pl
Montross, Newman E. 1380 Broadway
Newland, U. J. 933 Columbus av
Powell, William H. 983 Sixth av
Runtz, Rees Janet E. 329 Fifth av
Sander, Alfred, 5 Beekman
Sartorius, A. & Co. 28 Barclay
Schaus, William, 204 Fifth av (Herman Schaus & A. W. Conover)
Schwartz, E. H. 23 Ave. A (see add p. 106.)
Soltmann, E. G. 119 Fulton
Steiger, E. & Co. 25 Park pl. Books for artists.
Sussmann, Adolph, 232 Sixth av
Taber, Charles, & Co. 28 Bond
Walkup, James L. 2 W. 14th
Walther & Cregin, 282 Fourth av
Woolman, G. S. 116 Fulton
Worden, Homer, 228 E. 24th

ASBESTOS.

Acme Covering Works, 82 John
Asbestos Felting Works, 79 Maiden la
Asbestos Packing Co. 5-7 Dey
Chalmers-Spence Co. 87 Maiden La
Fossil Meal Co. 2-4 Cedar
Gilmour, Robert M. Mfg. Co. 82 John
Higgins, Frank T. 89 West
Hintze, Julius E. 99 Maiden la
Johns, H. W. Mfg. Co. 87 Maiden la
Keasbey, Robert A. 58 Warren

ROBERT A. KEASBEY,
58 Warren Street.
Magnesia, Sectional & other styles of Covering.
Estimates cheerfully furnished.

Lait, John G. & Co. 100 Maiden la
The Standard Asbestos Co. 29 Broadway
U. S. Felt & Asbestos Mills, 262-263 West
U. S. Mineral Wool Co. 2 Cortlandt (see add p. 112)

ASBESTOS—BUILDING SHEATHING.

Chalmers-Spence Co. The, 59-61 Liberty
Gilmour, Robert M. 82 John
Johns, H. W. Mfg. Co. 87 Maiden la
Keasbey, Robert A. 58 Warren
McLear Flax Felt Mfg. Co 292 Pearl
New, T. Mfg. Co. 874 Broadway

U. S. Mineral Wool Co. 2 Cortlandt (see add p. 112.)

ASBESTOS CEMENT.

Chalmers-Spence Co. 59 Liberty
Johns, H. W. Mfg. Co. 87 Maiden la
Keasbey, Robert A. 58 Warren
King's Windsor Asbestos Cement, 21-24 State (see add p. 115)

ASBESTOS MATERIALS.

Johns, H. W. Mfg. Co. 87 Maiden la
Keasbey, Robert A. 58 Warren
Sullivan, Peter, 183 Christopher
U. S. Mineral Wool Co. 2 Cortlandt (see add p. 112.)

ASBESTOS PACKING.

Greene, Tweed & Co. 83 Chambers (see add p. 53.)
U. S. Mineral Wool Co. 2 Cortlandt (see add p. 112.)

ASBESTOS PIPE AND BOILER COVERING.

Abendroth & Root Mfg. Co. 28 Cliff
Acme Covering Works, 82 John
Ainsworth Boiler Covering Co. 171 Broadway
American Steam Covering Co. N. Y. City
Asbestos Felting Works, 99 Maiden la
Bickford & Francis Belting Co. 53 Exchange pl
DeLong & French, 128 Pearl
Gilmour, Robt, M. 82 John
Higgins, Frank T. 89 West
Johns, H. W. Mfg. Co. 87 Maiden la
Keasbey, Robert A. 58 Warren
Mooney, Geo. & Son, 138 Centre
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add pp. 62-63.)
Shields & Brown Co. 130 Worth
U. S. Mineral Wool Co. 2 Cortlandt (see add p. 112.)

ASH CAN MFRS.

Demond & Co. 38 Cortlandt
Greene, Tweed & Co. 83 Chambers (see add p. 53.)
Howard & Morse, 45 Fulton (see add p. 5.)
Iron Clad Mfg. Co., 22 Cliff
Moseley Iron Bridge & Roof Co., 5-7 Dey (see add pp. 49.)
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add p. 62-63.)
Schwartz, Louis I. 185 S. Fifth av
Smith & McKeever, 10 Peck slip
United States Supply Co. (galvanized) 51 John
Zemskind, L. 111 Elizabeth

L. ZEMSKIND,
All Kinds of
IRON WORK,
111 ELIZABETH STREET,
Near Grand Street, NEW YORK.
Estimates given on Iron Work for Buildings. Fire Escapes made and put up. Ash Cans a Specialty.

ASPHALT BLOCKS.

Barber Asphalt Co. 1 Broadway
Compagnie Generale des Asphaltes de France, 35 Broadway
Hasting's Pavement Co. 140 Pearl
Sicillian Asphalt Paving Co. Times bldg
Taylor, Matt Paving Co. 15 State (see add p. 134)
The International Pavement Co. 71 Broadway
The Neuchatel Asphalte Co. 265 Broadway (see add p. 135)

ASPHALT FLOORS AND ROOFS.

Empire Paving & Construction Co. 21 State
Furlong & Furlong, 134th and Third av (see add p. .)
Macknight Flintic Stone Co. 150 Broadway

See Advertisement, page 7.

New York Roofing Co. 437 E. 23d
Schmidt, Edwin, 6 W. 107th
Star Roofing Co. 15 State
Taylor, Matt, Paving Co. 15 State

MATT TAYLOR PAVING CO.,
15 STATE STREET, NEW YORK.
Importers of Crude and Refined
Trinidad Asphalt. Star Roofing.
GRANOLITHIC.
See Advertisement, page 134.

The Asphaltic Slag Paving and Roofing Co. 45 Broadway
The Neuchatel Asphalte Co. Ltd. 265 B'way

Telephone Call, 4692 Cortlandt.
THE NEUCHATEL ASPHALTE CO.
LIMITED.
265 BROADWAY,
NEW YORK.
See Advertisement, page 135.

The Schillinger Fire-proof Material, Cement Pavement and Asphalt Pavement Company, 401-13 E. 91st
Union Pavement Company, 45 Broadway
Warren Chemical & Mfg. Co. 81 Fulton
Wehn Pavement Co. 16-18 Exchange pl
Wootton, E. H. 35 Broadway

ASPHALT IMPORTERS.

Barber Asphalt Paving Co. 81 Broadway
Baetjer & Meyerstein, 5 Dey
Fisher, W. Erskine, 18 B'dway

W. ERSKINE FISHER,

Asphalt Importer,

No. 18 BROADWAY,

NEW YORK.

See Advertisement, page 117

French Rock Asphalte, E. H. Wootton, 35 Broadway
Gilson Asphaltum Co. 18 Broadway
Lamson, John S. & Bro. 77 Maiden Lane
Marcial & Co. 36 Broadway
Moens Asphaltic Cement Co. 103 Maiden Lane
Saacke, Charles W. 58 Pine
Salomon, L. A. & Bro. 216 Pearl
Taylor, Matt. Paving Co. 15 State (see add p. 134)
The Schillinger Co. 401-413 E. 91st
The Sicillian Asphalt Paving Co. Times bldg, 40 Park row
Warren Chemical & Mfg Co. 81-83 Fulton
Wehn Pavement Co. 16-18 Exchange pl

ASPHALT PAVING.

Barber Asphalt Paving Co. 81 Broadway
Empire Paving & Construction Co. 21 State
French Rock Asphalte, E. H. Wootton, 35 Broadway
Gilson Asphaltum Co. 18 Broadway
Granitic Sidewalk Co. 171 Broadway (see add p. 135)
Hastings Pavement Co. 140 Pearl
Macknight Flintic Stone Co. 150 Broadway

See Advertisement, page 7.

Metalithic Paving Co. 115 Broadway
Portland Cement Stone Co. 16-18 Exchange pl
Taylor, Matt. Paving Co. 15 State (see add p. 134)
The Asphaltic Slag Paving & Roofing Co. 45 Broadway
The Neuchatel Asphalte Co. Ltd. 265 Broadway (see add p. 135)
The Schillinger Fire-Proof Material, Cement Pavement & Asphalt Pavement Co. 401-413 E. 91st

THE SCHILLINGER

FIRE PROOF, CEMENT, AND ASPHALT CO.,

(PLASTER BOARDS.)

MANUFACTURERS OF

Artificial Stone and Asphalt Pavements.

401-413 East 91st St., New York.

The Sicilian Asphalt Paving Co. Times bldg, 40 Park row
Union Pavement Co. 45 Broadway
Warren Chemical & Mfg. Co. 81 Fulton
Wehn Pavement Co. 16-18 Exchange pl
West India Asphalt Co. 50 Wall

ASPHALT PAVING CONTRACTORS.

Baetjer & Meyerstein, 5 Dey
Barber Asphalt Paving Co. 81 Broadway
Checkley, R. S. 753 Sixth av
Hastings Paving Co. 140 Pearl
Lawrence, F. W. 16 Exchange pl
Moens Asphaltic Cement Co. 103 Maiden Lane
N. Y. Mastic Co. 35 Broadway
Portland Cement Stone Co. 16 Exchange pl
Sicilian Asphalt Paving Co. Times bldg
Taylor, Matt. Paving Co. 15 State (see add p. 134)
The Neuchatel Asphalte Co. Robert Butcher, Manager, 265 Broadway (see add p. 135)
The United States Pyrogranite Co 52 W. 15th
Union Pavement Co. 45 Broadway
Vanderbilt, Geo. 14th & Tenth av

ESTABLISHED 1865.

GEO. VANDERBILT,

Contractor for

Gravel, Metal & Slate Roofing,

Water Tight Floors, Cellars and Vaults. Corrugated Iron Siding and Ceilings.

West 14th St. and 10th Ave., New York.

Asphalt and Artificial Stone Paving.

Van Orden, Edw. & Co. 110 John
Warren Asphalt Paving Co. 81-83 Fulton
Wootton, E. H. 35 Broadway

ASPHALTIC CEMENT.

Moens Asphaltic Cement Co. 103 Maiden Lane

ASPHALTUM IMPORTERS.

Tait, John G. & Co. 100 Maiden Lane

AUTOMATIC ELEVATORS.

Maynard, John Q. 12 Cortlandt (see add p. 20)
Springfield Foundry Co. Springfield, Mass. (see add p. 16)

AUTOMATIC ELEVATOR DOORS.

Dale Tile Mfg. Co. Ltd. 398 Broome (see add p. 49)
Excelsior Elevator Door & Hatch Cover Co. 139-141 Charles (see add p. 22)
Maynard, John Q. 12 Cortlandt (see add p. 20)
Muhl, J. & Son, 329 E. 33d (see add p. 50)
Safety Hatch Door Co. 45 Duane (see add p. 21)
Standard Elevator Door Co. 136 Liberty

STANDARD ELEVATOR DOOR CO.

MANUFACTURERS OF

AUTOMATIC ELEVATOR DOORS,

136 LIBERTY ST., Room 301,

A. EMER, Proprietor. NEW YORK.

See Advertisement, page 22.

Springfield Foundry Co. Springfield, Mass. (see add p. 16)
The Prince & Kenkil Iron Works, 729-731 First av (see add p. 51)

AUTOMATIC FEED PUMPS.

Aller, A. 109 Liberty
Blake, Geo. F. Mfg. Co. 93 Liberty
Cameron, A. S. Steam Pump Works, 433 E. 23d
Davidson, M. T. 77 Liberty
Deane Steam Pump Co. 72 Cortlandt
Knowles Steam Pump Works, 95 Liberty
Roberts, Geo. I. & Bros 471-473 Fourto av (see pp. 62, 63)
Smith & Vaile Co. 112 Liberty (see add p. 56)
Worthington Pumping Engine Co. 145 B'dway

AUTOMATIC FIRE ALARMS AND EXTINGUISHERS.

Automatic Fire Alarm & Extinguisher Co.

The Automatic Fire Alarm and Extinguisher Co.,

(LIMITED).

WATKINS' AUTOMATIC FIRE ALARM,

—AND—

GRINNELL AUTOMATIC SPRINKLERS,

413 BROADWAY, NEW YORK.

See Advertisement, page 71.

AUTOMATIC HATCH DOORS

Excelsior Elevator Guard & Hatch Door Cover Co. 139 141 Charles (see add p. 22)

Excelsior Elevator Guard & Hatch Cover Co.,

Manufacturers of

Automatic Hatch Covers, Adjusting Hatch Covers, Self-Closing Gates and Guards, Steel Folding Gates, Automatic Upright Doors for Elevator Shafts.

Nos. 139 & 141 Charles Street, New York.

See Advertisement, page 33.

Howard Foundry & Machine Works, 114 Liberty (see add p. 19)
Maynard, J. Q. 12 Cortlandt (see add p. 20)
Morse, Williams & Co. 108 Liberty (see add p. 5)
Muhl, J. & Son, 329 E. 33d (see add p. 50)

AUTOMATIC IRON WINDOW GUARDS AND DOORS.

Central Iron Works, 203 E. 30th (see add p. 44)
Dale Tile Mfg. Co. Ltd. 398 Broome (see add p. 49)
Lyon, W. E. 202 E. 46th (see add p. 46)
Muhl, J. & Son, 329 E. 33d (see add p. 50)

AWNINGS, CANOPIES AND CAMP CHAIRS.

Batist, William, 268 Eighth av
Batty, James H. 10 Forsyth
Both, Herman, 947 E. 61st
Boyle, John & Co. 199 Fulton
Brush, George, 243 E. 80th
Cohn, Edward, 124 W. Broadway
Copley, Thomas, 329 First av
Darcy Brothers, 140 Fourth av
Dechen, John G. 31 Centre
Downes & Slattery, 2275 Third av
Fennell, John, 1292 Third av
Fisher, Martin, 196 Hudson
George, Charles T. 751 Sixth av
Geraty, Thomas, 1245 Third av
Hartman, John, 40 Crosby
Harwood & Son, 58 W. Broadway
Hedenburg, Frank B. 116 Chambers
Hilliard, Henry, 66 Trinity pl
Hoblin's, John W. Son, 9 W. Broadway
Hoffman, Wm. H. 154 W. Broadway
Jeffcott, R. & J. Waters, 822 Elton av
Just, Charles, 52 W. 13th
Kelly, Patrick J. 68 Dey
Kempler & Seifter, 51 Canal
Kunkely, M. R. 163 South
Lund, Peter W. 200 W. 34th
Lynch, Wm. 624 W. 55th
McHugh, John F. 1263 Broadway
Mackin, John, 1181 Second av
Magee, Michael, 147 Fulton
Martin, Thomas, 326 Canal
Meehan, John, 123 Liberty
Nagle, John E. 2246 Third av

Oberle, Emile A. 379 E. 10th
Ostman, C. 303 E. 29th
Quinlan, Thos. J. 271 & 833 Third av
Rehm & Co. 157 Fulton
Sherman, Wm. P. & Co. 946 Broadway
Skelton, Frederick, 1325 Broadway (see add p. next to last page)
Smith, Nicholas J. 420 Eighth av
Smith, William E. 350 Eighth av
Studer & Letellier, 100½ W. 27th
Sullivan, John, 129 Hudson
Sullivan, Thomas, r. 249 Spring
Thorp, Samuel S. & Co. 157 South

Established 1830.
S. S. THORP & CO.,
MANUFACTURERS OF
Awnings, Tents, Flags,
MERCHANDISE COVERS, &c.,
No. 157 South Street, NEW YORK.
SAIL MAKERS.

Tilton & Co. 1765 Ninth av
Vause, George, 202 E. 5th
Vause, John T. r. 218 Bowery
Vause, L. N. & Son, 864 Broadway
Walden, Robert F. 2016 Third av
Weaver Brothers, 231 Grand

BABBITT METAL MFRS. & WHOLESALE DEALERS.

American White Metal Works, G. D. Mackey, prop. 64 Gold
Baker White Brass Co. 3 York
Brady Metal Co. 115 Broadway
Bruce & Cook, 186-190 Water and 248-250 Pearl
Colwell Lead Co. 63 Centre
Couse, Chas & Co. 39 Dey
Crooke Smelting and Refining Co. 22 Burling sl
Davol, John & Sons, 100 John
Dickerson, Van Dusen & Co. 29-31 Cliff
Donohue, M. 117 Walker
Dusenbury's, Thos. Sons, 533-535 W. 24th
Greeley, E. S. & Co. The, 5-7 Dey
Hannon, John, 395 Hudson
Hart, Lucius & Co. 8-10 Burling slip
Hendricks Bros. 49 Cliff
Hoyt Metal Co. 99 John
Kahn Bros. 525 E. 19th
Katz, Sarah, 230 E. 9th
Lathrop Co. 80 John
Lowenstein, B. & Bro. 4-6 Desbrosses
Magnolia Anti-Friction Metal Co. 74 Cortlandt
Merchant & Co. 247 Pearl
Miller, Charles A. 83 Maiden lane
Montgomery & Co. 105 Fulton
New York Smelting and Refining Co. The, e Jane and West (see add on page with Sash Weights, Lead Mfrs.)
Page, Dennis & Co. 325 Broadway
Post, E. L. & Co. 10 Peck slip
Quincy, John W. & Co. 98 William
Rogers, J. F. & Co. 107 Liberty
Sanborn, John, 217 Water
West Side Smelting Works, Striker & Co., props. 118 Gansevoort
Wildes, Thomas, 246 Water
Wilson Anti-Friction White Metal Co. 510-512 W. 33d

BAND SAW MFRS.

American Saw Co. 35 Dey
Church & Sleight, 109 Fulton
Mayer, C. D. 340 E. 11th
McCoy, Joseph F. Co. 26 Warren
Oldham, Joshua, 351 E. 61st
Pryibil, P. 512-524 W. 41st

BANK AND OFFICE FIXTURES AND FITTINGS.

Andrews Mfg. Co. 74 Fifth av
Bataille, Achille, 122 W. Broadway
Brown, George & Clifford, 46 E. 14th
Dewitt Wire Cloth Co. 32 Reade (see add p. 26)
Estey, W. S. 65 Fulton (see add p. 24)
Flint, George C. Co. 106 W. 14th
Hall & Garrison, 32 Warren
Howard & Morse, 45 Fulton (see add p. 5)
Kertscher & Co. 528-532 W. 24th
McMurray, R. T. & Bro. 143 Centre (see add p. 25)
Muhl, J. & Son, 329 E. 33d (see add p. 50)
Phillips, Geo. W. 560 W. 23d (see add p 101)
Pottier, Stymus & Co. 375 Lexington av
Radley & Greenough, 16 E. 42d (see add p. 92)
Sebastey, George A. & Co. 449-451 W. 53d
Schwarzwaelder William & Co. 37 Fulton
Sellew, T. G., 111 Fulton
Tufts, John M. 83 Nassau
Woods, Jenks & Co. 3 Union sq (see add p. 93)
Wooley & Co. 61 Fulton

BANK AND OFFICE COUNTER RAILINGS.

Ætna Iron Works, 298-300 E. 64th (see add p. 51)
Anderson, H. C. & Co 124 W. Broadway
Andrews Mfg. Co. 74 Fifth av
Bataille, Achille, 122 W. Broadway (see add p. 23)
Beer, George, 343 Ninth av
Carrere & Haas Iron Works, Lincoln bldg. 1-3 Union sq. West
Central Wire Works, 30 Church
Cornell, J. B. & J. M. 141 Centre, 26th, Tenth and Eleventh avs (see adds pp. 35, 37, 39)
DeWitt Wire Cloth Co. 32 Reade (see add p.26)
Dimond, J. G. & T. 209 W. 33d
Estey, W. S. 65 Fulton (see add p. 24)
Fiske, J. W. 39 Park pl
Hopkins & Co. 90 W. Broadway
Horrocks, J. 59 Fulton
Howard & Morse, 45 Fulton (see add p. 5)
Kertscher & Co., 528-532 W. 24th
Lyon, W. E. 202 E. 46th (see add p. 46)
Manhattan Brass Co. 28th and First av
Marrens, Jos. Sons, 157 E. 44th
McMurray, R. T. & Bro. 143 Centre (see add p. 25)

National Mfg. Co. 24 Cliff
New York Brass and Wire Works Co. 177 Grand
Pitt, W. R. 83 Reade
Pries, W. H. 433 Canal
Rieth, J. F. & Co. 257 Third av
Schoeffel, M. 168 W. Broadway
Spadone & Caberet, 675 Hudson
Westervelt, A. B. & W. T. 102 Chambers (see add p. 203)
Williams Globe Wire Works, 85 Fulton
Williams, John, 544-556 W. 27th (see add p. 36)
Wooley & Co. 61 Fulton

BANK LOCK MFRS.

Hall's Safe and Lock Co. 324 Broadway
Herring & Co. 251 Broadway
Yale & Towne Mfg. Co. 84-86 Chambers

BANK VAULT MFRS.

Butler, William H. 79 Duane
Cheney & Preyer, (39-41) 21 Park row
Cornell J. B. & J. M W. 26th, Tenth and Eleventh avs (see adds pp. 35, 37, 39)
Hall's Safe and Lock Co. 324 Broadway
Hecla Architectural Iron Works, Pulitzer bldg (see add p. 28)
Herring & Co. 251 Broadway
Jackson's Architectural Iron Works, 315 E. 28th (see add p. 31)
Marvin Safe Co. 265 B'dway and 90 S. Fifth av
Yale Safe and Iron Co. 331 Madison av

BANNERS AND FLAGS.

Bopp, Jos. J. 2724 Third av.
Grumbach & Grote, 125 Hudson
Hough, P. M. 750 Sixth av
Koster, C. H. 5 Park pl.
Martin, Thomas, 326 Canal
Salisbury & Van Wagensen, 159 Duane
Shannon, Miller & Crane, 46 Maiden la.
Shelton, F. 1325 Broadway (see add next to last page.)
Thorp, Samuel S. & Co. 157 South

ESTABLISHED 1830.
S. S. THORP & CO.,
MANUFACTURERS OF
BANNERS, FLAGS, Etc.,
No. 157 SOUTH ST., N. Y.
SAILS, AWNINGS, TENTS. MERCHANDISE COVERS.

BAROMETERS, HYDROMETERS, THERMOMETERS

Baetz, William & Co. 96 Fulton
Barry, John, 62 Fulton
Bayer & Fletcher, 66 Beekman
Beck, Albin, 40 Fulton
Draper Mfg. Co. 152 Front
Hoehn, R. & Co. 44 College pl.
Hohmann & Maurer, 90 Fulton
Neubeck, August & Co. 111 Nassau
Pennelli, Peter, 194 William
Perfection Thermometer Co. 490 Cherry
Seipel, John, 90 Park row
Standard Thermometer Co. 18 Cortlandt
Tagliabue, Charles J. 53 Fulton
Tagliabue, Giuseppe, 302 Pearl
Talgliabue, John, 66 Fulton
Weinhagen, Henry, 24 N. William
Weiss, Albert A. & Co. 1 Chambers

BATH TUBS & FIXTURES, PLUMBERS' SUPPLIES.

Adee, Fred. & Co. 90 Beekman (see add p. 109)
Aspinall, E. 98 Beekman
Blessing, Geo. A. 290 Pearl (see add p. 110)
Cassidy & Adler, 490 Sixth av.
Colwell Lead Co. 63 Center
Huber, Henry & Co. 81 Beekman (see add p. 110.)
Jochum & Jetter, 143 E. 50th (see add p. 50)
McShane, Henry Mfg. Co. 625-627 6th av. (see add p. 108)
Mayor, Lane & Co. 119 Walker
Meyer, Sniffin & Co. 48 Cliff
Miller & Coates, 279 Pearl
Mott, J. L. Iron Works, 88 Beekman
Read, Henry P. 277 Pearl
Ronalds & Co. 54 Cliff
Sanitas Mfg. Co. 54 Gold
Sheahan, C. F. 397 Ninth av.
Steeger, Henry, 145 E. 31st
Tomkins, Calvin, 150 Broadway (see add p. 140)
Tragreser, John, Steam Copper Work, 447 W. 26th (see add p. 111)
U. S. Heating & Plumbing Co. Roberts, Geo. I. & Bros. 471-473 Fourth ave. (see add pp. 62 and 63.)

BATHS, NEEDLE AND SHOWER, PLUMBERS' SUPPLIES.

Adee, Fred. & Co. 90 Beekman (see add p. 109)
Blessing, Geo. A. 290 Pearl (see add p. 110)
Huber, Henry & Co. 81 Beekman (see add p. 110.)
McShane, H. Mfg. Co. 625-627 Sixth av. (see add p. 108)
Mayor, Lane & Co. 119 Walker
Mott, J. L. Iron Works, 88 Beekman
Sanitas Mfg. Co. 54 Gold
Steeger, Henry, 143 E. 31st

BELLS.

Goulds Mfg. Co. 16 Murray
Haggerty, Geo. A. 803 Third av. (see add p. 54)
McShane, Henry Mfg. Co. 625-627 Sixth av. (see add p. 108)
U. S. Supply Co. (Ltd.) 51 John
Zimdars & Hunt, 127 Fifth av.

Bell Cords and Couplings.—Belting, Rubber.—Belting, Rubber and Leather.—Belt Studs.
Belting and Packing.—Bending Pipe.—Bending Pipe Machines.—Blasting Powder.
Blinds, Rolling and Sliding.

BELL FOUNDERS.

McShane, Henry Mfg. Co. 625-627 Sixth av. (see add p. 108)
Zimdars & Hunt, 127 Fifth av.

BELL CORDS AND COUPLINGS.

Greene, Tweed & Co. 83 Chambers (see add p. 53)
Samson Cordage Works, Boston, Mass.
Wall's, William, Sons, 113 Wall (see add p. 74)

BELTING, RUBBER.

Boston Belting Co. 100 Chambers
Donegan & Swift, 11 Murray
Greene, Tweed & Co. 83 Chambers (see add p. 53)
Gutta Percha & Rubber Mfg. Co. 35 Warren
Mineralized Rubber Co. 18 Cliff
New York Belting & Packing Co. 15 Park row (see add inside front cover.)

BELTING, RUBBER AND LEATHER.

Boston Belting Co. 100 Chambers
Donegan & Swift, 11 Murray
Greene, Tweed & Co. 83 Chambers (see add p. 53)
Mineralized Rubber Co. 18 Cliff
Roberts, Geo. I. & Bros. 471-473 Fourth av. (see add pp. 62 and 63)

BELT STUDS.

Greene, Tweed & Co. 83 Chambers (see add p. 53)

BELTING AND PACKING.

Boston Belting Co. 100 Chambers
Donegan & Swift, 11 Murray
Greene, Tweed & Co. 83 Chambers (see add p. 53)
Gutta Percha & Rubber Mfg. Co. 35 Warren
Mineralized Rubber Co. 18 Cliff (see add front inside cover)
New York Belting & Packing Co. 15 Park row

NEW YORK BELTING AND PACKING CO.,

15 PARK ROW.

OLDEST & LARGEST MANUFACTURERS OF

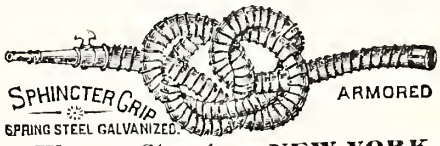
Vulcanized Rubber Belting and Packing

IN THE U. S.

See Advertisement, Front Inside Cover.

Revere Rubber Co. 64 Reade
Roberts, Geo. I. & Bros. 471-473 Fourth av. (see add p. 62 and 63)
Waterbury Rubber Co. 49 Warren

WATERBURY RUBBER CO.



49 Warren Street, NEW YORK.

See Advertisement, page 72.

BENDING PIPE.

American Tube Works, 20 Gold
Billings Pipe Bender Mfg. Co. 37 Barclay & 42 Park pl
Dienst, Adam P. 6 Reade
Griffith, M. 79 John
Holloway, E. 110 White
McShane, Henry Mfg. Co. 625-627 Sixth av. (see add p. 108)
Syreen, Chas. 117 Walker

BENDING PIPE MACHINES

Billings Pipe Bender Mfg. Co. 37 Barclay & 42 Park pl.

BLASTING POWDER.

Rendrock Powder Co. 23 Park pl. (see add p. 3)
Repauno Chemical Co 239 Broadway
The Columbia Powder Mfg. Co. 280 Broadway

BLINDS, ROLLING AND SLIDING.

Albany Venetian Blinds, William G. Orr, Mgr. 150 Broadway
Bradley & Currier Co. Ltd. The, 308 Hudson
Clark, Bunnett & Co. 162-164 W. 27th (see add p. 45.)
Morstatt & Son, 227 W. 29th
Pirsson, F. M. & Co. Lincoln bldg. 1-3 Union sq
The C. B. Keogh Mfg. Co. 6-8 Howard
Venetian Blind Co. World bldg. (room 91) (see add p. 87.)
Wilson, Jas. G. 74 W. 23d (see add p. 88.)

BLINDS, INSIDE AND FOLDING.

Albany Venetian Blinds, Wm. G. Orr, Mgr. 150 Broadway
Bradley & Currier Co. The, Ltd. 308 Hudson
Clark, Bunnett & Co. 162-164 W. 27th (see add p. 45.)

Jenkins Co. 247 Canal
Kertscher & Co. 528-532 W. 24th
Morstatt & Son, 227 W. 29th
Pirsson, F. M & Co. Lincoln bldg. 1-3 Union sq
The C. B. Keogh Mfg. Co. 6-8 Howard
Venetian Blind Co. World bldg. (room 91) (see add p. 87.)
Wall's. William, Sons, foot E. 106th
White, Potter & Paige, 18 E. 17th
Wilson, Jas. G. 74 W. 23d

JAS. G. WILSON,
Patentee & Manufacturer of
BLINDS,
No. 74 WEST 23d STREET,
NEW YORK.
See Advertisement, page 88.

Woods, Jenks & Co. 3 Union sq. (see add p. 93.)

BLINDS, SASH AND WINDOW FIXTURES.

Bradley & Currier Co. Ltd The, 308 Hudson
Brainerd, William F. 97 Chambers
Butler Hardware Co. 18 Warren
Champion Safety Lock Co. 92 Chambers
Chicago Hardware Mfg. Co. 150 Ffith av
Corbin, P. & F. 24 Murray
Dudley Shutter-worker Co. 5 Beekman
Kertscher &. Co. 528-532 W. 24th
Morton's Sash Chains, 65 Elizabeth
Newman, Allen G. 1180 Broadway
Payson Mfg. Co. 97 Chambers
Peck, Stow & Wilcox, 27 Chambers
Russell & Erwin Mfg. Co. 45 Chambers
Sargent & Co. 37 Chambers
Stanley Works, 79 Chambers
The G. Wright Young Company, 50 Broadway, Tower bldg. (see add p. 86.)
The Smith & Egge Mfg. Co. 62 Reade, Represented by J. J. Halpin
Tower & Lyon, 95 Chambers
Van Wagoner & Williams, 82 Beekman
West Side Arch Iron Works, 550 W. 33d (see add p. 29.)
Wilson, Jas. G. 74 W. 23d (see add p. 88.)
Woods, Jenks & Co. 3 Union sq. (see add p. 93.)

BLINDS, VENETIAN.

Albany Venetian Blind Co., William J. Orr, Mgr., 150 Broadway
Bradley & Currier Co. Ltd. The, 308 Hudson
Burlington Venetian Blind Co. 95 Nassau
Clark, Bunnett & Co. 162 W. 27th (see add p. 45.)
Keogh, C. B. & Co. 8 Howard
Kertscher & Co. 528-532 W. 24th
Orr, Wm. G. 150 Broadway
Venetian Bld. Co. World bldg. (room 91) (see add p. 87.)
Wilson, Jas. G. 74 W. 23d (see add p. 88.)

BLOWER AND EXHAUST FAN MFRS.

Aller, A. 109 Liberty.
Beggs, James & Co. 9 Dey
Donegan & Swift, 11 Murray
Howard & Morse, 45 Fulton (see add p. 5.)
Sturtevant, B. F. 91 Liberty
Townsend, Sylvanus S. 22 Cortlandt
Thompson & Bushnell, 120 Liberty
Wing, L. J. & Co. 126 Liberty

BLOWERS, PRESSURE.

Donegan & Swift, 11 Murray
Sturtevant, B. F. Co. 91 Liberty
Wing, L. J. & Co. 126 Liberty

BLOWERS, STEAM.

Watertown Steam Blower Co. 54 Pine

BOILER AND ENGINE DEALERS.

Abendroth & Root Mfg. Co. 28 Cliff (see add opposite Key to Maps)
American Engine Co. 505 Pearl
Ames Iron Works, 38 Cortlandt
Backus, Peter & Son, 133-135 W. 25th (see add p. 64.)
Ball & Wood Co. 15 Cortlandt
Barnhurst, Wm. 46 Cortlandt
Barron, H. J. 74 Cortlandt
Beggs, James & Co. 9 Dey
Bigelow Co. 15 Dey
Boltons, G. & J. R. Improved Hot Water Heater, Geo. H. Raymond, Mgr. 114 Liberty (see add p. 69.)
Briggs, M. 61 Rutgers
Buckeye Engine Co. 18 Cortlandt
Campbell Engine Co. 35 Wall
Clapp, G. M. 74 Cortlandt
Coll, W. H. 80 Fifth av
Cooke & Co. 163 Washington
Copeland, E. T. & Co. 106 Liberty
Fish, John, 164 Maiden la
Fisher, Albert, 89 Liberty
Fleming, W. R. & Co. 174 Fulton
Fletcher, W. & A. Co. 266 West
Frazer, E. 124 Water
Frazer & Chalmers, 2 Wall
Hampson, E. P. & Co. 36 Cortlandt
Handrin & Robins, 126 Washington
Hawthorn & Co. 12 Cortlandt
Hayward, S. F. & Co. 351 Canal
Hemmett, W. A. 18 Cortlandt
Hooven, Owens, Rentschler Co. 18 Cortlandt
Howard & Morse, 45 Fulton (see add p. 5.)
Innes' John, Sons. 453 West
Iredel, F. W. 10 Park pl
Kelley, B. F. & Son, 91 Liberty (see add p. 61.)
Lathrop Co. 66 Cortlandt
Leffels, Jas. & Co. 110 Liberty
Leonard & McCoy, 118 Liberty
Love, W. & C. W. 141 Elm

Boiler and Pipe Coverings, Asbestos.—Boiler and Pipe Coverings, Fossil Meal.—Boiler and Pipe Coverings, Magnesia.—Boiler and Pipe Coverings, Metallic.—Boiler and Pipe Coverings, Mineral Wool.

McCurdy & Warden, 276-277 West
McSwegan, F. & Son, 1 N. Y. & B'klyn bridge, 98 Liberty
Macdonald, J. A. 296 Sixth av
Mackinnon Machine Co. 22 Warren
Morgan Iron Works, 814 E 9th
National Water Tube Boiler Co. 18 Cortlandt (see add p. 53.)
Newell Universal Mill Co. 136 Liberty
N. Y. Safety Steam Power Co. 30 Cortlandt
Noye, John T. Mfg. Co. 89 Liberty
Payne, W. & Sons, 41 Dey (see add p. 54.)
Phœnix Iron Works Co. 15 Cortlandt
Phœnix Iron Co. 10 W. 23d
Pierce & Thomas, 42 Cortlandt
Prentiss Tool Supply Co. 115 Liberty
Putnam Machine Co. 115 Liberty
Roberts & Bro. 471-473 Fourth av (see add pp. 62-63.)
Roelker, H. B. 22 Cortlandt
See, H. 1 Broadway
Simpson, W. L. 18 Cortlandt
Skinner Engine Co. 15 Cortlandt
Stearns Mfg. Co. 46 Cortlandt
Sturtevant, B. F. Co. 91 Liberty
Taybor Mfg. Co. 111 Liberty
Theall, Horace, 65 Bethune
Todd, Jos. C. 36 Dey
U. S. Supply Co. 51 John
Vincent, C. R. & Co. 15 Cortlandt
Wells Engine Co. 93 Liberty
Westinghouse, Church, Kerr & Co. 17 Cortlandt
Whitehill, Robert, 21 Cortlandt
Williams & Potter, 15 Cortlandt
Wilson & Roake, Front cor. Dover
Wing, L. J. Co. 126 Liberty
Wood, E. J. 243 Broadway

BOILER AND PIPE COVERINGS.

Blackmore Heating Co. 88 John (see add p. 66.)
Boltons, G. & J. R. Imp. Hot Water Heater, Geo. H. Raymond, Mgr., 114 Liberty (see add p. 69.)
Chalmers-Spence Co. 59-61 Liberty
Fossil Meal Co. 2 Cedar

FOSSIL MEAL COMPANY,
AUGUST GIESE, Prop.,
SOLE IMPORTERS OF THE
ONLY GENUINE WM. BERKFELD'S
FOSSIL MEAL COMPOSITION.
2 Cedar Street, New York.

Gilmour, Robert M. Mfg. Co. 82 John
Hayes, Geo. 71 Eighth av (see add p. 8.)
Higgins, Frank T. 89 West
Johns, H. W. Mfg. Co. 87 Maiden la
Keasbey, Robert A. 58 Warren
Litofuge Mfg. Co. 62 John
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add p. 62-63.)
Sullivan, Peter, 183 Christopher
The N. Y. Silicate Co. 40 Broadway
Van Wart, W. H. Agt. 15 Thames

W. H. VAN WART,
Agent for
HENRY W. MILLER, Jr., & SON,
KEYSTONE ASBESTOS MILLS,
PHILA.
Asbestos Sectional Steam Pipe and Boiler Coverings. All Classes Cement. Sectional and Felt Coverings.
15 Thames Street, NEW YORK.

BOILER AND PIPE COVERINGS, ASBESTOS.

Abendroth & Root Mfg. Co. 28 Cliff (see add p. opposite key to ward map back of book.)
Acme Covering Works, 82 John
Ainsworth Boiler Covering Co. 171 Broadway
American Steam Covering Co. N. Y. City.
Asbestos Felting Works, 99 Maiden la
Bickford & Francis Belting Co. 51 Exchange pl
De Long & French, 128 Pearl
Gilmour, Robt. M. 82 John
Greene, Tweed & Co. 83 Chambers (see add p. 53.)
Higgins, Frank T. 89 West
Johns, H. W. Mfg. Co. 87 Maiden la
Keasbey, Robert A. 58 Warren
Mooney, Geo. & Son, 138 Centre
Shields & Brown Co. 130 Worth
United States Mineral Wool Co. 2 Cortlandt (see add p. 112.)

BOILER AND PIPE COVERINGS, FOSSIL MEAL.

Fossil Meal Co. 2 Cedar
Keasbey, Robert A. 58 Warren

BOILER AND PIPE COVERINGS, MAGNESIA.

Keasbey, Robert A. 58 Warren

BOILER AND PIPE COVERINGS, METALLIC.

Hayes, Geo. 71 Eighth av (see add p. 8.)
United States Mineral Wool Co. 2 Cortlandt (see add p. 112.)

BOILER AND PIPE COVERINGS, MINERAL WOOL.

United States Mineral Wool Co. 2 Cortlandt (see add p. 112.)

BOILER CLEANER (MECHANICAL).

Hotchkiss, Jas. Q. 112 Liberty

BOILER COMPOUND.

Am. Boiler Purger Co. 82 John
Bailey, J. J. 125 Maiden la
Blewitt, James, 425 Seventh av
Bunce, E. S. & Co. 13 Laight
Davis, Jacob B 35 Desbrosses
Downie Preventor & Remover, 74 Front
Doyle Laughlin, 451 W. 32d
Gallaway, George W. 322 Pearl
Goldstein, William, 489 Water
Hotchkiss, Jas. Q. 112 Liberty
Jones, Henry W. 5 Beekman
Kensel, John S. 15 New Chambers
Litofuge Mfg. Co. 62 John
McJilton & Co. 17 Thompson
Meek, Alfred E 158 Reade
Morrell, J. B. & Co. 75 Front
Roberts, Geo. I. & Bros, 471-473 Fourth av (see add p. 62-63.)
Weston, George M. 111 Broadway
Wilson & Roake, 261 Front

BOILER FEEDER MFRS.

Aller, A. 109 Liberty
Blake, Geo. F. Mfg. Co. 97 Liberty
Conover & Co. 95 Liberty
Davidson, M. T. 77 Liberty (see add opposite Mechanical Engineers.)
Gold Car Heating Co. 6 N. Y. and Brooklyn Bridge Warehouse
Kelly, Benj. F. & Son, 91 Liberty (see add p. 61.)
Kieley, Timothy, 11 W. 13th
Knowles Steam Pump Works, 95 Liberty
National Pipe Bending Co. 15 Cortlandt
New York Feed Water Purifier Co. 43 Dey
Worthington, Henry R. 86-88 Liberty

BOILER MANUFACTURERS

Abendroth & Root Mfg. Co. 28 Cliff

ABENDROTH & ROOT M'F'G CO.,

MANUFACTURERS OF

WROUGHT IRON SECTIONAL SAFETY BOILERS

SPIRAL RIVETED STEAM PIPE,

28 CLIFF STREET, NEW YORK.

See Advertisement opp. Key to Ward Atlas.

Ahern, D. & Co. 46 Jefferson
Ames Iron Works, 38 Cortlandt
Babcock & Wilcox Co. The, 30 Cortlandt
Bigelow Co. The, 17 Cortlandt
Blessing, George A. & Co. 290 Pearl (see add p. 110)
Boes Bros 205 E. 129th
Boltons, G. & J. R. Imp. Hot Water Heater, Geo. H. Raymond, Manager, 114 Liberty (see add p. 69)
Booth, Samuel, 545 W. 35th
Burhaus, Lorenzo, 83 Pike
Carnie, John A. 223 West
Collins Iron Works, Wm. Collins & Sons, props. foot W. 21st
Copeland, E. T. & Co. 106 Liberty
Crook, W. A. Bros. & Co. 121 Liberty
Deeley, Robert & Co. 507 W. 32d
DeLamater Iron Works, 21 Cortlandt (see add p. 57)
Detroit Heating & Lighting Co. 126 Liberty (see add p. 144 and back cover)
Donegan & Swift (mfrs.' agents), 11 Murray
Dumbarton Iron Works, 167 Charles
Edwards, Joseph & Co. 412-416 Water
Erie City Iron Works, 9 Dey
Excelsior Iron Works, 145 Broadway
Farquhar, A. B. & Co. 21 Cotton Exchange bldg
Fleming, W. R. & Co. (mfrs.' agents) 174 Fulton
Fox, George & Son (steam), 509 W. 34th
Fraser & Chalmers, (43) 2 Wall
Gleason, R. W. 519 Water
Globe Sulphite Boiler Co. 122 Nassau
Gold Car Heating Co. 6 N. Y. & Brooklyn Bridge Warehouse
Gorton & Lidgerwood Co. 96 Liberty (see add front inside cover)
Gray, Albert, 150 William
Griffing, A. A. Iron Co. 106 Liberty
Handren & Robins, 126 Washington
Harrison Safety Boiler Works, F. E. Idell, Manager, 41 Dey
Hazelton Boiler Co. The, 716 E. 13th
Heather, Henry, 462 Eleventh av
Heine Safety Boiler Co. 45 Broadway

HEINE SAFETY BOILER CO.,

45 BROADWAY, NEW YORK,

ROOM 215.

NO CAST IRON PLATES.

ALL PLATES STEEL.

Heipershausen Bros. 45 Tompkins
Hepe, Koven & Co. 18 Spruce
Higgins & Co., 379 Lexington av

HIGGINS & CO.,

BOILERS,

Steam & Hot Water House Heating,

No. 379 LEXINGTON AVENUE, NEW YORK.

See Advertisement, page 67.

Hitchings & Co. 233 Mercer
Hodge, E. & Co. 106 Liberty
Hogan Boiler Co. 280 Broadway
Hussey Re-heater & Steam Plant Improvement Co. 15 Cortlandt
International Boiler Co. 74 Cortland
Iron Clad Mfg. Co. 22 Cliff
Jochum & Jetter, 148 E. 50th (see add p 60)
Kelley, Benjamin F. & Son, 91 Liberty (see add p. 61)
Kelly, Wm. E. 18 Cortlandt
Killerlane & Ryder, 239-241 West

RED FORT IRON WORKS.

KILLERLANE & RYDER, Prop's,

ENGINEERS AND BOILER MAKERS.

239, 240 and 241 West St., N. Y.

Manufacturers of Steam Engines, Boilers, Tanks, &c. Blacksmithing and Castings of all Descriptions. Repairing in all its Branches. Telephone Call, "Cortlandt 4389." Box 233 Maritime Exchange. Established 1863.

Lathrop Co. 66 Cortlandt
Leffel, James & Co. 110 Liberty
Lidgerwood Mfg. Co. 96 Liberty
Mahoney, James & Son, 245 Broadway
McCurdy & Warden, 276 West, 101 Watts
Mitchell & Boyesen, 149 11th
Morgan Iron Works, 814 E. 9th
National Water Tube Boiler Co. 18 Cortlandt

National Water Tube Boiler Co.,
ARTHUR LORETZ, Manager,
Water Tube Safety Steam Boilers
For Hotels, Electric Light Plants, Etc.
18 CORTLANDT STREET, NEW YORK.
See Advertisement, page 54.

Newell Universal Mill Co. 136 Liberty
New York Safety Steam Boiler Co. The, 30 Cortlandt
Nichols, D. M. 2 Gouverneur slip
Pacific Iron Works, Rankin, Brayton & Co. props. 145 Broadway
Philip, Andrew, 29 West
Phœnix Iron Works Co. 15 Cortlandt
Pierce & Thomas, 42 Cortlandt
Quintard Iron Works, N. F. Palmer, jr. & Co. props. 742 E. 12th
Rae, Robert, 442-444 Water
Randolph & Clowes, 131 Worth
Ronalds & Co. 54 Cliff
Roos, August Sons, 232 W. 27th
Rutzler, Enoch, 178 Centre
Smith, H. B. Co. The, 137 Centre
Smith, A. & Son, 481 Eleventh av
Stead Boiler Mfg Co. 149 Broadway
Steeger, Henry, 143-145 E. 31st
The Stirling Co. 74 Cortlandt
Theall, Horace, 65 Bethune
Todd, Joseph C. 36 Dey
Trageser, John, Steam Copper Works, 447-457 W. 26th (see add p. 111)
Turl, John & Sons, 534 W 98th
United States Supply Co. 51 John
Vincent, Chas. R. & Co. 15 Cortlandt
Whitehall Engine & Pictet Ice Machine Co. 21 Cortlandt
Whitehill, Robert, 21 Cortlandt
Whittier Machine Co. 93 Liberty
Wood, E. J. 243 Broadway
Worthington Boiler Co. 106 Liberty

BOILER PLATES AND RIVETS.

Carnegie, Phipps & Co. 44 Wall
Cooney, Daniel F. 88 Washington
Cornell, Hiscox & Underhill, 13 Gold
Froment, Frank L. 112 John
Fuller Bros. 139 Greenwich
Greene, Tweed & Co. 83 Chambers (see add p. 53)
Hubbard, Chas. & Co. 284 Pearl
Moorehead, McClane Co. 81 John
Pottstown Iron Co. 280 Broadway
Seidel & Hastings Co. 183 Christopher
Wallace, Wm. H. & Co. 131 Washington
Whitney, A. R. & Co. 29 Broadway

BOILER SETTING.

Allen, John, 34 Gold
Hassall, Henry, 218 Thompson

HENRY HASSALL,
Steam Boiler Setter
218 THOMPSON STREET,
NEW YORK.

BOILER TUBES.

Am. Tube Works, 20 Gold
Am. Tube & Iron Co. 98 John
Ansonia Brass & Copper Co. Mfrs. 19-21 Cliff
Bailey, William H. 20 Gold
Barr, Edward Co. Ltd. 78 John
Dame & Townsend, 76 John
Donegan & Swift, 11 Murray
Drummond, M. J. 192 Broadway
Duquesne Tube Works Co. 75 John
Eagle Tube Co. 41 Dey
Froment, Frank L. 112 John
Keating, Edward F. 75 John
National Tube Works Co. 160 Broadway
National Water Tube Boiler Co. (see add p. 53)
Pancoast & Rogers, 28 Platt, 15 Gold
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add pp. 62, 63)
Spiral Weld Tube Co. 5 Beekman
Syracuse Tube Co. 138 Centre

BOILER TUBE CLEANER AND SCRAPER MFRS.

Aller, A. 109 Liberty
Chalmers-Spence Co. 59-61 Liberty
Parsons, H. E. 54 Pine
Thompson & Bushnell, 120 Liberty
Watertown Steam Blower Co. 54 Pine

BOILERS, COPPER.

Blessing, Geo A. 290 Pearl (see add p. 110)
Fearing, Wm. S. 100 Chambers
Hepe, Koven & Co. 18 Spruce
Jochum & Jetter, 148 E. 50th (see add p. 60)
McShane, Henry Mfg. Co. 625-627 Sixth av (see add p. 108)
Randolph & Clowes, 131 Worth
Reisert, A. & Orth, 181 Prince
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add pp. 62, 63)
Ronalds & Co. 24 Cliff
Steeger, Henry, 143 E. 31st (see add p. 112)
Trageser, John, Steam Copper Works, 447-457 W. 26th (see add p. 111)

BOILERS, GALVANIZED.

Blessing, Geo. A. 290 Pearl (see add p. 110)
Hepe, Koven & Co. 18 Spruce

Iron Clad Mfg. Co. 22 Cliff
McShane, H. Mfg. Co. 625-627 Sixth av (see add p. 108)
Roberts, Geo. I & Bros. 471-473 Fourth av (see add pp. 62, 63)
Ronalds & Co. 54 Cliff
Sheppard, Isaac A. & Co. 4th st & Montgomery av. Phila. (see add back inside cover)
Trageser, John, Steam Copper Works, 447-457 W. 26th (see add p. 111)

BOILERS, SELF-CLEANING

Trageser, John Steam Copper Works, 447-457 W. 26th (see add p. 111)

BOILERS, STEAM AND HOT WATER HOUSE HEATING.

American Radiator Co. 92 Centre, Justin A. Goodrich, Agent
Backus, Peter & Son, 133-135 W. 25th (see add p. 64)
Boltons, G. & J. R. Imp. Hot Water Heater, Geo. H. Raymond, Manager, 114 Liberty (see add p. 69)
Blackmore Heating Co. 88 John (see add p. 66)
Blake & Williams, 197 Wooster (see add p. 65)
Denny Bros. 36 Park pl
Detroit Heating & Lighting Co. 126 Liberty (see add p. 144 & back cover)
Gessert, C F. 42 Dey
Gorton & Lidgerwood Mfg. Co. 96 Liberty (see add front inside cover)
Griffiing. A. A. Iron Co. 15 Cortlandt
Hitchings & Co. 233 Mercer
Hogan Boiler Co. 280 Broadway

HOGAN BOILER COMPANY,
NOVELTY CIRCULATOR
FOR
HOT WATER HEATING,
STEWART BUILDING, NEW YORK.
(BROADWAY AND CHAMBERS ST.)

Morton Safety Heating Co. 45 Broadway
Nason Mfg. Co. 71 Beekman
National Water Tube Boiler Co. 18 Cortlandt (see add p. 54)
New York Central Iron Works, 38 Park pl
Pierce, Butler & Pierce (see add p. 68)
Richardson & Morgan, 80 Beekman
Richmond Stove Co. Norwich, Conn. Victor Heaters, W. F. Higgins, Agent, 379 Lexington av (see add p. 67)
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add pp. 62, 63)
Rutzler, E. 178 Centre
Smith, H. B. Co. The, 137 Centre
Titusville Radiator Co. 64 Wall (see add p. 66)
Weathered's, Thos. W. Sons, 244 Canal (see add p. 65)
Wright, F. W. Frankfort & Cliff

BOILERS (STEAM) MFRS.

Abendroth & Root Mfg. Co. 28 Cliff (see add p. opp. Key to Ward Atlas)
Adams, Austin, Mfrs. Agent, 40 Dey
Ahern, D. & Co. 46 Jefferson
Ames Iron Works, 38 Cortlandt
Babcock & Wilcox Co. 30 Cortlandt
Barnhurst, Wm. 46 Cortlandt
Beggs, Jos. & Co. Mfg. Agents, 9 Dey
Biglow Co The, 17 Cortlandt
Blake, Geo. F. Mfg. Co. 94 Liberty
Boltons, G. & J. R. Imp. Hot Water Heater, Geo. H. Raymond, Manager, 114 Liberty (see add p. 69)
Booth, Samuel, 543 W. 35th
Carnie, John A. 223 West
Cleveland & Hardwick. 46 Cortlandt
Collins, Wm. & Sons, 21st & N. R.
Cook & Co. 163 Washington
Cowles Engineering Co. The. 45 Broadway
Craft, Jesse & Co. 260 Front
Davis, J. B. & Son, 91 Liberty
Deeley, Robert & Co. 507 W. 32d
Detroit Heating & Lighting Co. (see add p. 144 and back cover)
Delamater, C. H. & Co. 21 Cortlandt (see add p. 57)
Donegan & Swift. 11 Murray
Edwards, Jos. & Co. 412 Water
Erie City Iron Works, 9 Dey
Excelsior Iron Works, 145 Broadway
Farquhar, A. B. & Co. Cotton Exch
Fletcher, W. A. & Co. 266 West
Fox, Geo. & Sons, 511 W. 34th
Fraser & Chalmers, 2 Wall
Gleason, R. W. 519 Water
Globe Machine Co. 35 Broadway
Gray, Albert, 150 William
Gray, Robert, Park av & 131st
Groffing, A. A. Iron Co. 15 Dey
Handrin & Robbins, 126 Washington
Harrison Safety Boiler Works, 41 Dey
Harrisburg Boiler Mfg. Co. 98 Centre
Hazelton Boiler Works. 718 E. 13th
Heather, Henry, 462 Eleventh av
Heine Safety Boiler Co. 45 Broadway
Heiperhausen, 45 Tompkins
Hoass, Chas. 509 E. 18th
Houston, R. M. 45 Broadway
International Boiler Co. 74 Cortlandt
Jochum & Jetter (see add p. 60)
Kellerlane & Ryder, 241 West
Kelley, B. F. & Son, 91 Liberty (see add p. 61)
Kelley, Wm. E. 18 Cortlandt (see add p. 53)
Kingsford Foundry & Machine Works
Lathrop & Co. 80 John
Lawson Non-Explosive Boiler Co.
Leffel, Jas. & Co. 110 Liberty
Lidgerwood Mfg. Co. 96 Liberty (see add inside front cover)
Mahoney, Jas. & Son, 245 Broadway
McCurdy & Warden, 276 West
Morgan Iron Works, 814 E. 9th
Nason Mfg. Co. 71 Beekman
National Water Tube Boiler Co. 18 Cortlandt (see add p. 53)
Newell Universal Mill Co. 23 Bethune
New York Central Iron Works, 38 Park pl
New York Safety Steam Power, 30 Cortlandt

Nicholas, D. M. 2 Gouverneur sq
Pacific Iron Works, 145 Broadway
Palmer, N. F. & Co. 12th & E. R.
Phillip, Andrew, 29 West
Phœnix Iron Works Co. 15 Cortlandt
Pierce & Thomas, 42 Cortlandt
Quintard Iron Works, 742 E. 12th
Rae, Robert, 444 Water
Rand Drill Co. 23 Park pl (see add p. 3)
Reid, Alex. 167 Charles
Sliddel & Hastings Co. 183 Christopher
Smith, A. & Son, 481 Eleventh av
Stearns Mfg. Co. 46 Cortlandt
Steed Boiler Mfg. Co. 149 Broadway
Steeger, Henry, 143 E. 31st (see add p. 112)
Theall, Horace, 65 Bethune
The Riverside Bridge & Iron Works, 18 B'way
Tillack, Herman, 100 Centre
Todd, Joseph & Co. 36 Dey
Turl, John & Sons, 334 W. 28th
Vincent, Chas. R & Co. 15 Cortlandt
Whitehall, Robt, 21 Cortlandt
Whittier Machine Co. 93 Liberty

BOLT MFRS.

Boone, W. C. & Son, 394 Broome
Donegan & Swift, 11 Murray
Gaskell, Wm. & Son, 433 E. 25th
New York City Bolt and Nut Co. ltd. 33-35 Desbrosses
Union Nut Co. 99 Chambers
Urquhart, John S., 46 Cortlandt

BOLT, NUT, AND WASHER MFRS.

Ansonia Brass and Copper Co, 19-21 Cliff
Corning, Edward & Co. 18 Cortlandt
Diamond State Iron Co. 11 Pine
Ducreux C. agt. 93-95 Elizabeth
Fuller Bros. & Co. 139 Greenwich
Gaskell, Wm. & Son, 433 E. 25th
Greenlie, Wyatt & Co. 499 Water and 253 South
Hall's, Samuel Son, 229 W. 10th
Haskell, Wm. H. Co. 105 Chambers
Humason & Beckley Mfg. Co. 80 Chambers
Newhall, H. R. Co. 105 Chambers
New Haven Copper Co. 294 Pearl
New York City Bolt and Nut Co. (ltd), 33-35 Desbrosses
Peck, Stow & Wilcox Co, 27 Chambers
Russell & Erwin Mfg. Co. 43-47 Chambers
Shelton Co. 298 Broadway
Stanley Works, 79 Chambers
Steele & Johnson Mfg. Co. The, 35 Howard
Topping & Fox (mfrs.' agts), 96 Chambers
Union Nut Co. The, 99 Chambers
Wallace & Sons, 29 Chambers

BOLTING CLOTH.

Brigham, Silas O. 110 Pearl
Carey, Samuel, 17 Broadway and 12 Pearl
Charles, Richard P. 15 S. William
Estey, W. S. 65 Fulton (see add p. 24)
Ernst, J. H. & Co. 56 Warren
Foster, Theodore E. 224 E. 19th
Howard & Morse, 45 Fulton (see add p. 5)
Livingston, W. & F. 391 Canal
Williams, George A. 85 Fulton

BOLTING WIRE CLOTH MFRS.

Brooklyn Wire Cloth Works, 107 John
Cable, Wm. Excelsior Wire Mfg. Co. 43 Fulton
Charles, R. P. 15 S. William
Clinton Wire Cloth Co. 75 Beekman
Cooper, Hewitt & Co. 17 Burling slip
Estey, W. S. 65 Fulton (see add p. 24)
Gilbert & Bennett Mfg. Co. 44 Cliff
Howard & Morse, 45 Fulton (see add p. 5)
Wooley & Co. 61 Fulton

BRACKETS, BRASS.

Blessing, Geo. A. 290 Pearl (see add p 110)
McShane, Henry, Mfg. Co. 625-627 Sixth av (see add p. 108)
Sanitas Mfg. Co. 54 Gold

BRACKETS, IRON.

Althause, S. B. & Co. 101-103 Thompson (see add p. 27)
Blessing, Geo. A., 290 Pearl (see add p. 110)
Lyon, W. E. 202 E. 46th (see add p. 46)
McShane, Henry, Mfg. Co. 625-627 Sixth av (see add p. 108)
Marrens, Jos. Sons, 157 E. 44th
Muhl, J. & Son, 329 E. 33d (see add p. 50)
Sanitas Mfg. Co. 54 Gold

BRASS AND COPPER TUBING MFRS.

American Tube Works, 20 Gold
Ansonia Brass and Copper Co. 19-21 Cliff
Benedict and Burnham Mfg. Co. 13 Murray
Bridgeport Brass Co. 19 Murray
Davol, John & Sons, 100 John
Fearing, William S. 100 Chambers
Griggs, E. D. 61-63 Duane
Holmes, Booth & Haydens, 25 Park pl. and 22 Murray
Housatonic Brass Co. 44 Park pl
Knapp, John H. r 17 John
Manhattan Brass Co. 338 E. 28th
Osborne & Cheesman Co. 39 Barclay
Randolph & Clowes, 131 Worth
Scovill Mfg. Co. 423 Broome
Seymour Mfg. Co. 100 Chambers
Wainwright Mfg. Co. of Mass. 121 Liberty
Wallace & Sons, 29 Chambers
Waterbury Brass Co. 296 Broadway

Brass Building Fittings, Carpenters and Builders.—Brass Building Fittings, Plumbers' Supplies.—Brass Building Fittings, Steam and Gas Fitters' Supplies.

BRASS AND COPPER WIRE MFRS.

Aluminum Brass & Bronze Co. Stewart bldg. 53 Chambers
Ansonia Brass and Copper Co. 19-21 Cliff
Bataille, Achille, 122 W. Broadway (see add p. 23)
Benedict & Burnham Mfg. Co. 13 Murray
Bridgeport Brass Co. 19 Murray
Cable, Wm. Excelsior Wire Mfg. Co. 43 Fulton
Davol, John & Sons, 100 John
DeWitt Wire Cloth Co 32 Reade (see add p. 24)
Fearing, William S. (mfrs.' agt) 100 Chambers
Franklin Brass Co. 111 Chambers
Gilbert & Bennett Mfg. Co. 44 Cliff
Hendricks Bros. 49 Cliff
Holmes, Booth & Haydens 25 Park pl. and 22 Murray
Howard & Morse, 45 Fulton (see add p. 5)
Lewisohn Bros. 81-83 Fulton
McMurray, R. T. & Bro. 143 Centre (see add p. 25)
Manhattan Brass Co. 338 E. 28th
Osborne & Cheesman Co. 39 Barclay
Plume & Atwood Mfg. Co. 18 Murray
Roebling's, John A. Sons, Co. 117 Liberty
Scovill Mfg. Co. 423 Broome
Seymour Mfg. Co. 100 Chambers
Wallace & Sons, 29 Chambers
Waterbury Brass Co. 296 Broadway

BRASS BUILDING FITTINGS, CARPENTERS AND BUILDERS.

Bock, Frederick, 84 Warren (see add p. 75)
Brainerd, William F. 97 Chambers
Butler Hardware Co. 18 Warren
Chicago Hardware Mfg. Co. 150 Fifth av
Corbin, P. & F. 24-26 Murray
Dalton, Ingersol Co. 64 Gold
Hopkins & Dickinson Mfg. Co. 83 Reade
Keil, Francis & Son, 163d, n Brook av
Newman, Allen G. 1180 Broadway
Peck, Stowe & Wilcox Co. 27 Chambers
Russell & Erwin Mfg. Co., 45 Chambers
Sargent & Co. 57 Chambers
Vanwagoner & Williams Co. 82 Beekman
Webber & Strom, 2443 Third av (see add p. 75)
White, Van Glahn & Co. 15-16 Chatham sq. (see add p. 75)
Williams, H. A. Mfg. Co. 55 Fulton

BRASS BUILDING FITTINGS, PLUMBERS' SUPPLIES.

Adee Fred. & Co., 90 Beekman (see add p. 109)
Blessing, George A. & Co. 299 Pearl (see add p. 110)
Carr, A. & W. S. Co. 138-140 Centre
Cassidy & Adler, 490 Sixth av
Colwell Lead Co. 63 Centre
Dubois Mfg Co. 245 Ninth av (see add p. 108)
Huber, Henry & Co. 81 Beekman (see add p. 110)
McShane, Henry, Mfg. Co. 625-627 Sixth av (see add p. 108)
Mayor, Lane & Co. 119 Walker
Meyer, Suiffen & Co. (ltd), 48 Cliff
Moore, F. G. 78 Beekman
Morrison David, 55 W. 16th
Mott, J. L. Iron Works, 88 Beekman
Peck Brothers & Co. 47 Cliff
Roberts, Geo. I & Bros. 471-473 Fourth av (see add pp. 62, 63)
Ronalds & Co. 54 Cliff
Sanitas Mfg. Co. 54 Gold
Steeger, Henry, 143-145 E. 31st (see add p. 112)
Trageser, John, Steam Copper Works, 447 W. 26th (see add p. 111)
Waefelear, Louis, 54 Beekman
Williams; H. A. Mfg. Co. 55 Fulton

BRASS BUILDING FITTINGS, STEAM AND GAS FITTERS' SUPPLIES.

Barr, Edward & Co. (ltd), 78 John
Blackmore Heating Co. 88 John (see add p. 66)
Blake & Williams, 197 Wooster (see add p. 65)
Blakeslee, E. G Mfg. Co. 78 Centre
Carr, A. & W. G. Co., 140 Centre
Cassidy & Adler, 490 Sixth av
Collwell Lead Co. 63 Centre
Dame & Townsend Co. 76 John
Eaton, Cole & Burnham Co. 82-84 Fulton
Haydenville Mfg Co. 73 Beekman
Jamer, Jacob, 84 John
Jenkins Bros, 71 John
Keating, Edward F. 75 John
McNab & Harlin Mfg. Co. 56 John
McShane, Henry Mfg. Co. 625-627 Sixth av (see and p. 108)
Morrison, David, 55 W. 16th
Nason Mfg. Co. 71 Beekman
Roberts, Geo. I & Bros, 471-473 Fourth av (see adds pp. 62, 63)
Sanitas Mfg. Co. 54 Gold
Simmons, John, 106-110 Centre
Steeger, Henry, 143-145 E. 31st (see add p. 112)
Trageser, John, Steam Copper Works (see add p. 111)

BRASS BUTT HINGE MFRS.

Benedict & Burnham Mfg. Co. 13 Murray
Butler Hardware Co. 18 Warren
Chicago Spring Butt Co. 97 Chambers
Haggerty, Geo. A. 803 Third av (see add p. 53)
Roy & Co. Henry B. Newhall Co. agts. 105 Chambers
Scovill Mfg. Co. 423 Broome
Stanley Works, 79 Chambers
Union Mfg. Co. 103 Chambers
Van Wagoner & Williams Co. 82 Beekman
Wallace & Sons, 29 Chambers

BRASS COCK MFRS.

Barr, Ed. & Co. ltd. 78 John
Burtis, Morse, 52 John
Dalton & Ingersoll, 64 Gold
Dame & Townsend Co. 76 John and 29 Platt
Dimock, Fink & Co. 80 John
Dubois Mfg. Co. 245 Ninth av (see add p. 108)
Eaton, Cole & Burnham, 82 Fulton
Haage, Frederick, 79 Rivington
Haydenville Mfg. Co. 73 Beekman
Jamer, Jacob, 84 John
Lidgerwood Mfg. Co. 96 Liberty (see add front inside cover)
Mayor, Lane & Co., 19 Walker
McCann, T. R. & Co. 56-60 Gold
McLean, John, 298 Monroe
McNab & Harlin Mfg. Co. 56 John
McShane, Henry, Mfg. Co. 625-627 Sixth av (see add p. 108)
Morrison, David, 55 W. 16th
Peck Brothers & Co. 47 Cliff
Reynolds, M. & Co., 25 Centre
Sanitas Mfg. Co. 54 Gold
Stone Fred. & Co, 62 Gold
The Knapp Mfg. Co. 22-24 Frankfort
Thorn & Payne, 151 W. 29th
Walworth Mfg. Co. 54 Gold
Williams, H. A. Mfg. Co. 55 Fulton

BRASS COCKS, SELF-CLOSING.

Du Bois Mfg. Co. 245 Ninth av (see add p. 108)
McShane, Henry, Mfg. Co. 625-627 Sixth av (see add p. 108)
Peck Brothers & Co. 47 Cliff
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add pp. 62, 63)
Sanitas Mfg. Co. 54 Gold
Williams, H. A. Mfg. 55 Fulton

BRASS DOOR KNOB MFRS.

Brass Goods Mfg. Co. 88 Chambers
Chicago Hardware Mfg. Co. 150 Fifth av
Corbin, P & F. 24-26 Murray
Haggerty, Geo. A. 803 Third av (see add p. 53)
Hopkins & Dickinson Mfg. Co. 83 Reade
Keil, Francis & Son, 163 d, n Brook av
Newman, Allen G. 1180 Broadway
Payson Mfg. Co. 111 Chambers
Reading Hardware Co. 81 Reade
Russell & Erwin Mfg. Co. 47 Chambers
Sargent & Co. 57 Chambers

BRASS DOOR RAIL MFRS.

American Tube Works, 20 Gold
Andrews Mfg. Co. 74-76 Fifth av
Ansonia Brass and Copper Co. 19 Cliff
Bataille, Achille, 122 W. Broadway (see add p. 23)
Bridgeport Brass Co. 19 Murray
Butler Hardware Co. 18 Warren
Conover, J. & S. 28 W. 23d (see add p. 85)
De Witt Wire Cloth Co. 32 Reade (see add p. 26)
Estey, W. S. 65 Fulton (see add p. 24)
Goulds, M. & Son & Co. 105 Duane
Hecla Architectural Bronze and Iron Works, Pulitzer bldg. show rooms 48-51 (see add p. 28)
Holmes, Booth & Hayden, 25 Park pl
Howard & Morse, 45 Fulton (see add p. 5)
Jackson Architectural Iron Works, 315 E. 28th (see add p. 31)
Lyon, W. E. 202 E. 46th (see add p. 46)
Manhattan Brass Co. 338 E. 28th
Martin, B. M. 83 S. Fifth av
McMurray, R. T. & Bro. 143 Centre (see add p. 25)
McNab & Harlin Mfg. Co. 56 John
Newman, Allen G. 1180 Broadway
New York Brass and Wire Works, 177 Grand
Pitt, William R. Composite Iron Works, 83 Reade
Prince & Kenkel, 729 First av (see add p. 51)
Randolph & Clowes, 131 Worth
Schunemann, Chas. H. 2-4 Howard
Waterbury Brass Co 296 Broadway
Wallace & Sons, 29 Chambers
Williams, John, 544-556 W. 27th (see add p. 36)

BRASS FOUNDERS.

Allen, Andrew, 1 Desbrosses
Barker, Joseph S. 168 Centre
Benedict & Burnham Mfg. Co. 13 Murray
Bent, S. S. & Son, 111 Chambers
Birmingham Iron Foundry, 95 Liberty
Blunt, E. Mfg. Co. Times bldg
Bradley & Hubbard Mfg. Co. 21 Barclay and 26 Park pl
Brady Metal Co. 115 Broadway
Bridgeport Brass Co. 19 Murray
Bristol Brass and Clock Co. 32 Warren
Cameron, A. S. Steam Pump Works, The, 343 E. 23d
Carr, A. & W. S. Co. 138 Centre
Clark, Minford S. 124 Baxter
Claudat, Frank, 446 W. 16th

FRANK CLAUDAT,
BRASS and BRONZE FOUNDRY,
Fine Ornamental Castings of Every Description.
OFFICE AND WORKS,
446 West 16th St., Bet. 9th and 10th Aves.,
NEW YORK.

Coldwell-Wilcox Co. 81 Fulton
Conover, J. & S. 28-30 W. 23d (see add p. 85)
Corbin, P. & F. 24-26 Murray
Craighead & Kintz Co. 33 Barclay
Creamer, W. G. & Co. 96 John and 19 Platt
Day & Day, 60 Duane
DeLamater Iron Works, 21 Cortlandt (see add p. 57)
Donnell, J. F. & Co. 159 Fifth av
Donohue, M. 117 Walker
Douglas, W. & B. 206 John
Eaton, Cole & Burnham Co. 82-84 Fulton

Fiske, J. W. 21 Barclay and 26 Park pl
Fox, Benjamin, 513-517 W. 34th
Francis, Thomas, 67 Vestry
Gallagher, James, 87 Centre
Gleason, E. P. Mfg. Co. 20 W. Houston
Graff, Frank H., 322-324 Seventh av
Greeley, E. S. & Co. The, 5-7 Dey
Gregory, James, jr. 106 Cannon
Gregory, Wm. 214 Front
Guerin, P. E. 24 W. 3d
Gugel, August, r 119 Prince
Haydensville Mfg. Co. 73 Beekman
Holmes, Booth & Haydens, 25 Park pl and 22 Murray
Hopkins, D. A. Mfg. Co 15 Cortlandt
Hopkins & Dickinson Mfg. Co. 20 Reade
Hourigan, James, 11½ James slip
Jackson Architectural Iron Works, 315 E. 28th (see add p. 31)
Jackson's, W. Sons, 246 Front
Janusch, F. G. 228 E. 44th
Johnson Foundry and Machine Co. 118th and Harlem River
Johnson, Henry F. 1 Desbrosses
Keil, Francis, 163d, n Brook av
Keune, A. & Son, 59 Duane
Knapp Mfg. Co. The, 22-24 Frankfort
Landers, Edmund, 496-498 Water
Landers, Frary & Clark, 298 Broadway
Magnolia Anti-Friction Metal Co. 74 Cortlandt
Manhattan Brass Co. 338 E. 28th
Manhattan Brass Foundry and Machine Works, 438-440 E. 10th
Martin, B. M. 83 S. Fifth av
Mayor, Lane & Co. 119 Walker
McKenna, James J. & Bro. 424 E. 23d
McNabb & Harlin Mfg. Co. 56 John
Meriden Malleable Iron Co. 40 College pl
Miller, Edward & Co. 10-12 College pl
Miller, Henry, 518 W. 22d
Mitchell-Vance Co. The, 836 Broadway
Muller's, Nicholas Sons, 117 Chambers
Nelson & Finkle, 439 E. 10th
Newman, Allen G. 1180 Broadway
Nichols, A. S. & Co. 15 W. 27th
Oxley, Giddings & Enos, 224-232 Grand
Parker, Charles Co. The, 97 Chambers
Peck Bros. & Co. 47 Cliff
Peck, Stow & Wilcox Co. 27 Chambers
Percival, John W. 77 W. Houston
Plaut, L. & Co. 496 Cherry
Reilly, James, 229 West
Reynolds, M. & Co. 25 Centre
Ruehe, A. E. 148th and Willis av
Russell, C. M. 458 E. 10th
Russell & Erwin Mfg. Co. 45-47 Chambers
Sargent & Co. 37 Chambers
Schraeder, A. & Son, 32 Rose
Schunemann, Chas. H. 2-4 Howard
South Brooklyn Steam Engine Works, 69 Wall
Staubach, B. 652 E. 12th
Sweeney, Edward, 4 Duane
Sweeney, J. & Barnett, 3 Dutch
Tiebout, W. & J. 337 Stanton
Todd, Joseph C. 36 Dey
Waterbury Brass Co. 296 Broadway
Whateley, George B. 139 Lewis
Whitehall Engine and Pictet Ice Machine Co. 21 Cortlandt
Wilcox, Crittenden & Co. 33 South
Williams, John, 544-556 W. 27th (see add p. 36)
Williams, Ware & Co. 56 New Bowery
Wilson D. 510 W. 33d, and 154 E. 53d
Wood, Andrew, r 387 Bowery
Woodhouse, D. A. Mfg. Co. 12 Barclay
Woodward Steam Pump Co. 10 Reade

BRASS FINISHERS.

Abels & Co. 102 S. Fifth av
Boyd, Robert, 520 Tenth av
Burns Silver Co. 115 Broadway
Clark, Minford S. 124 Baxter
Conover, J. S. & Co. 28-30 W. 23d (see add p. 85)
Cory, Chas. & Son, 278 Division
Craighead & Kintz Co. 33 Barclay
Daly, James, r. 318 E. 27th
Donohue, M. 117 Walker
Du Bois Mfg. Co. 245 Ninth av (see add p. 108)
Eaton, Cole & Burnham Co. 82-84 Fulton
Ehrich, Emrich, 56 New Bowery
Gleason, E. P. Mfg. Co. 20 W. Houston
Goetz, B. Mfg. Co. 172 Mercer, 162 W. 27th
Gould's, M. Son & Co. 105 Duane
Housatonic Brass Co. The, 44 Park pl
Jackson Architectural Iron Works, 315 E. 28th (see add p. 31)
James & Co. 403 Tenth av
Janusch, F. G. 224 E. 44th
Johnson, Henry F. 1 Desbrosses
Keune, A. & Sons, 59 Duane
Knapp Mfg. Co. 22 Frankfort
Koehler, Chas. r. 606 Eighth av
Lathrop Co. 80 John
Manhattan Brass Co. 338 E. 28th
Martin, B. M. 83 S. Fifth av
McNab & Harlan Mfg. Co. 56 John
Miller Co. Edward, 10-12 College pl
Miller, Thos. 104 Centre
Miller, W. L. 87 Centre
Moore, Thomas, 89 Elm
Mullaney, James & Son, 204 E. 23d
New York Brass & Wire Works Co. 177 Grand
New York Nickel Plating & Mfg. Co. 227-229 W. 29th
Norwich Nickel & Brass Works, 8 Astor pl
Osborne Mfg. Co. 79 Bleecker
Palmenberg's, J. R. Sons, 713 Broadway
Peck Bros. & Co. 47 Cliff
Peck, Stow & Wilcox Co. 27 Chambers
Reilly, James, 229 West
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add pp. 62, 63)
Schrader, A. & Son, 32 Rose
Schummann, Chas. H. 2-4 Howard
Spadone & Cabaret, 675 Hudson
Taylor, George, 60 Duane
Tillman, E. 237 Centre
United States Lighting & Vent. Co. 24 W. 4th
Wasserstrom, J. 258 W. 28th
Whatley, G. B. 139 Lewis
White, E. C. 536 W. 34th
Wildey, Ambrose S. 711 Seventh av
Williams, Jno. 544-556 W. 27th (see add p. 36)

BRASS GOODS MFRS.

Abels & Co. 102 S. Fifth av
Ainsworth Mfg. Co. 118-120 Walker, 44 Murray
Ambrum Mfg. Co. 151 W. 29th
American Meter Co. 508-514 W. 22d
American Tube Works, 20 Gold

Andrews Mfg. Co. 74-76 Fifth av
Ansonia Brass & Copper Co. 19-21 Cliff
Archer & Pancoast Mfg. Co. 898-900 Broadway
Ashcroft Mfg. Co. 111 Liberty
Baker White Brass Co. Ltd. 3 York
Barker, Joseph S. 168 Centre
Bassenir, John, 247 Centre
Bataille, Achille, 122 W. Broadway (see add p. 23)
Benedict & Burnham Mfg. Co. 13 Murray
Berbecker, Julius & Co. 65 Duane
Bernard, 47 S. Washington sq
Bing, Ferdinand & Co. 106 Grand
Bishop, Charles E. 35 Howard
Blessing, Geo. A. & Co. 290 Pearl (see add p. 110)
Bradley & Hubbard Mfg. Co 21 Barclay, 26 Park pl
Brass Goods Mfg. Co. 88 Chambers
Bridgeport Brass Co. 19 Murray
Briggs, A. A. 122 E. 129th
Bristol Brass & Clock Co. 32 Warren
Brueche & Kruft, 14 Howard
Burns, Silver & Co. 115 Broadway
Carr, M. W. & Co 419 Broadway
Cassidy & Son Mfg. Co. 133 W. 23d (see add p. 82)
Collins & Nuttall, 418 W. 27th
Colwell Lead Co. 63 Centre
Conover, J. S. & Co. 28-30 W. 23d (see add p. 85)
Corbin, P. & F. 24-26 Murray
Craighead & Kintz Co. 33 Barclay
Creamer, W. G. & Co. 96 John
Dame & Townsend Co. 76 John
Davenport & Treacy Co. The, 745 E. 11th
Davis, Thos. B. 215 E. 64th
Davol, John & Sons, 100 John
Donaldson, Joseph, 74 E. 9th
Donohue, M. 117 Walker
DuBois Mfg. Co. 245 Ninth av (see add p. 108)
Eaton, Cole & Burnham Co. 82-84 Fulton
Ehmann, Julius, 92 Chambers
Einbigler & Adler, 244 W. 27th, 610 Eighth av
Evered & Co. Ltd. 56 Warren
Fearing, Wm. S. (mfrs.' agent) 100 Chambers
Franklin Brass Co. 97 Chambers
French, Samuel A. 400 Broome
Gleason, E. P. Mfg. Co. 20 W. Houston
Gleason & Bailey Mfg. Co. Ltd. 187-189 Mercer
Globe Curtain Pole Co. 242 Canal
Gothberg, Ernest, 43 Murray
Gothberg, H. 37 College pl
Gough, J. & Co. 298 Monroe
Gould's, M. Son & Co. 105 Duane
Gould, Robert S. Co. The, 261-263 Canal
Graff, Frank H. 322-324 Seventh av
Granbery, D. W. & Co. 189 Broadway
Greeley, E. S. & Co. The, 5-7 Dey
Guerin, P. E. 24 W. 23d
Haas, George, 170-172 Centre
Hass, Theodore M. (fancy) 176 Centre
Hampel, Otto, 143 Elm
Harrington & King Perforating Co. 284 Pearl
Haydenville Mfg. Co. 73 Beekman
Hecla Architectural Bronze & Iron Works, Pulitzer bldg, show rooms 48-51 (see add p. 28)
Heringer, C. 191 Elm
Hogg, Andrew H. 21 Murray
Holmes, Booth & Haydens, 25 Park pl, 22 Murray
Hopkins & Dickinson Mfg. Co. 83 Reade
Hoskins & Sewell, 16 E. 15th
Housatonic Brass Co. 44 Park pl
Huttling, Geo. 183 Bleecker
Hyman, C. M & Co. 100 Walker
Jackson Architectural Iron Works, 315 E. 28th (see add p. 31)
Jackson's, W. Sons, 246 Front
Jackson, Wm. H. & Co. 27-29 E. 17th (see add p. 84)
Janusch, F. G. 288 E. 44th
Jenkins Bros. 71 John
Judd, H. L. & Co. The, 87 Chambers
Keil, Francis & Son, 163d n. Brook av
Keller Mfg. Co. 117 Walker
Keune, A. & Sons, 59 Duane
Klemann, P. 675 E. 156th
Knapp, John H. r. 17 John
Knapp Mfg. Co. The, 22-24 Frankfort
Kniering & Souder, 179 Grand
Kroder, John, 255 Canal
Kruse & Baron, 207-209 Centre
Lathers, Wm. 14 Second av
Lathrop Co. 80 John
Ludwig, A. 33 John
Manhattan Brass Co. 338 E. 28th
Maryland Meter & Mfg. Co. 838 Broadway
Mayer, Oscar, 27 Fulton
Mayor, Lane & Co. The, 119 Walker, 161 E. 54th
McLewee & Son, 25 Waverly pl
McNab & Harlin Mfg. Co. 56 John
Menahan, John & Co. 147 Mulberry
Meriden Bronze Co. Church cor. Park pl
Meriden Malleable Iron Co. 40 College pl
Mersereau, W. T. & Co. 39 Union sq
Millaney, James, 204 E. 23d
Miller, Edward & Co. 10-12 College pl
Mitchell Vance Co. The, 836-838 Broadway
Morrison, David, 55 W. 16th
Mott, J. L. Iron Works, 88 Beekman
Mullens, Robert M. r. 158 Wooster
Muller's, Nicholas, Sons, 117 Chambers,
Mullins, W. H 108 Chambers
Mundt & Son, 88-90 Walker (see add p. 52)
Nageldinger, J. 104 Centre
Nason Mfg. Co. 71 Beekman
Nathan Mfg. Co. 92 Liberty, E 106th n. First av
National Wire Mattress Co. 20 E. 14th
Nelson & Finkel 439 E. 10th
New Haven Copper Co. 294 Pearl
Newman, Allen G. 1180 Broadway
N. Y. Brass Co. 37 W. 14th
N. Y. Brass Furniture Co. 39 Union sq
N. Y. Brass & Wire Works Co. 177 Grand
New York City Bolt & Nut Co. Ltd. 33-35 Desbrosses
New York Gas Fixture Co. 20 Warren, 478 Pearl
Nichols, A. S. & Co. 15 W. 27th
Osborn, George R. 335 Broadway
Osborne & Cheesman Co. 39 Barclay
Oxley, Giddings & Enos, 224-232 Canal
Page, S. W. & Co. 508 Pearl
Parker, Charles Co. The, 97 Chambers
Peck Bros. & Co. 47 Cliff
Peck, Stow & Wilcox Co. 27 Chambers
Phelps, Dodge & Co. 11-13 Cliff
Phillips, H. 530 W. 20th
Pittsburg Brass Co. Ltd. 44 Park pl
Plaut, L & Co. 496 Cuerry
Plume & Atwood Mfg. Co. 18 Murray
Pries, Wm. H. 434 Canal, 6 Vestry

Randolph & Clowes, 131 Worth
Rattey, E. 484 Sixth av
Read, Henry P. 275-277 Pearl
Renton, Herbert S. 364 Pearl
Reynolds, M. & Co. 25 Centre
Richards, H. M. & Co. 401 Broadway
Riener & Kuechle, 418 W. 27th

RIENER & KUECHLE,
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Estimates Furnished for Banks, Hotels, Theatres and Churches.
418 West 27th Street, NEW YORK.
REFERENCES FURNISHED.

Russell & Erwin Mfg. Co. 43-47 Chambers
Sands Bros. 6 Reade
Sargent & Co. 37 Chambers
Schimper, Wm. & Co. 585-589 Hudson
Schmitz, Henry, 506 Pearl
Schneider, Campbell & Co. 7 Union sq
Schoolfield, R. L. 289 Pearl
Schunemann, C. H. 2-4 Howard

C. H. SCHUNEMANN,
2 & 4 Howard Street, cor. Centre, New York.
MANUFACTURER OF
Brass and Copper Goods,
Metal Spinning in Silver, German Silver, Brass, Copper, Etc., from ½ inch to 6 feet in Diameter.

Scoville Mfg. Co. 423 Broome
Seligman, C. 92 Walker
Seymour Mfg. Co. 100 Chambers
Shailer & Knowles, 32 Warren
Simmons, John, 106-110 Centre
Smeallie, J. K. & Co. 227 Canal
Smith & Egge Mfg. Co. The, 62 Reade, J. J. Halpin, Agent
Spinner, Leopold, 89 Centre
Sternau, S. & Co. 85 Centre
Stevens, H. A. & L. F. 55 W. 16th
Stiasny, A. E. & Co. 36 W. 3d
Suhr's Brass Works, 180 Centre
Szigethy Bros. 107 Rivington
Taylor, George, 60 Duane
The W. H. Sweeney Mfg. Co. 240 Water
Tiebout, W. & J. 16-18 Chambers
Titsink & Eising, 161 W. 29th
Turner & Seymour Mfg. Co. 325 Broadway
Union Mfg. Co. 103 Chambers
Vaast, A. J. 131 W. 31st
Verzier Bros. 210-212 Canal
Vetterling, William, 221 Centre
Wallace & Sons, 29 Chambers
Waterbury Brass Co. 296 Broadway
Webster, T. C. 62 Reade
Wenzel, Chas. 212 Centre
Wessell, C. & C. A. 521 W. 24th
Wilcox, Crittenden Co. 33 South
Williams, John, 544 & 556 W. 27th
Williams, R. & Son, 173 Prince
Wilson Bros. 823 Broadway
Woehrle & Heuer, 129 Division
Woodhouse, A. A. Mfg. Co. 12 Barclay
Wright, John & Co. 56 Warren

JNO. WILLIAMS,
Wrought Iron, Brass and Bronze,
HAND WORK TO SPECIAL DESIGN.
544 to 556 West 27th Street, New York.
See Advertisement, page 36.

BRASS FOUNDERS, PLUMBERS' CASTINGS.

Butler Hardware Co. 18 Warren
Carr, A. & W. S. Co. 138 Centre
Creamer, W. G. & Co. 96 John and 19 Platt
Douglas, W. & B. 296 John
Eaton, Cole & Burnham Co. 82-84 Fulton
Haydenville Mfg. Co. 73 Beekman
Mayor, Lane & Co. 119 Walker
McNab & Harlin Mfg. Co. 56 John
McShane, Henry, Mfg. Co. 625-627 Sixth av (see add p. 108.)
Newman, A. G. 1180 Broadway
Peck Brothers & Co. 47 Cliff
Sanitas Mfg. Co. 54 Gold
Springfield Foundry Co. Springfield, Mass (see add p. 16.)
Williams, John, 544-556 W. 27th (see add p. 36.)

BRASS GRILLE WORK.

Andrews Mfg. Co. 74-76 Fifth av
Bataille, Achille, 122 W. B'way (see add p. 23.)
Buchschatz, A. & Brendle, 159 Ludlow
Conover, J. & S. 28-30 W. 23d (see add p. 85.)
DeWitt Wire Cloth Co. 32 Reade (see add p. 26.)
Estey, W. S. 65 Fulton (see add p. 24.)
Hecla Architectural Bronze & Iron Works, Pulitzer bldg, show rooms 48-51 (see add p. 28.)
Howard & Morse, 45 Fulton (see add p. 5.)
Jackson Architectural Iron Works, 315 E. 28th (see add p. 31.)
Jackson, W. H. & Co. 27-29 E. 17th (see add p. 84.)
McMurray, R. T. & Bro. 143 Centre (see add p. 25.)
Mott, J. L. Iron Works, 88 Beekman
Pitt, William R. Composite Iron works, 83 Reade
Prince & Kinkel, 729-731 First av (see add p. 51.)
Richey, Browne & Donald, 218-224 N. 11th, Brooklyn, E. D. (see add p. 47
Riener & Kuechle, 418 W. 27th
Williams, John, 544-556 W. 27th (see add. p. 36.)

BRASS MANUFACTURES.

Aluminum Brass and Bronze Co. The, 53 Chambers
Andrews Mfg. Co. 74-76 Fifth av
Ansonia Brass and Copper Co. 19-21 Cliff

Buchschatz, A. & Brendle, 159 Ludlow

A. BUCHSCHATZ & BRENDLE

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Brass Frames, Fenders, and Andirons, Railings a Specialty. Estimates Given.

159 Ludlow St., Bet. Stanton & Rivington Sts., N. Y.

Bataille, Achille, 122 W. Broadway
Benedict & Burnham Mfg. Co. 13 Murray
Boonton Brass & Iron Works, 52 John
Bridgeport Brass Co. 19 Murray
Bristol Brass and Clock Co. 32 Warren
Brooklyn Brass and Copper Co. 100 John
Conover, J. & S. 28-30 W. 23d (see add p. 85.)
Fearing, William S. 100 Chambers
Harrington & King Perforating Co. 284 Pearl
Hart, Henry, Mfg. Co. 8 Warren
Holmes, Booth & Haydens, 25 Park pl. and 22 Murray
Jackson Architectural Iron Works, 315 E. 28th (see add p. 31.)
Jackson, W. H & Co. 29 E. 17th (see add p. 84.)
Miller, Edward & Co. 10-12 College pl
Osborne & Cheesman Co, 39 Barclay
Plume & Atwood Mfg. Co. 18 Murray
Randolph & Clowes, 131 Worth
Rattey, E. 484 Sixth av
Reynolds, Martin, 25-27 Centre
Riener & Kuechle, 418 W. 27th
Scovill Mfg. Co. 423 Broome
Shaw, Henry, 3 Dutch
Syracuse Brass Co. 41 Park row
The Aluminum Brass & Bronze Co. 280 B'way
The Kennedy Valve Mfg. Co. 52 Cliff
The Knapp Mfg. Co. 22-24 Frankfort
Titsink & Eising, 157 W. 29th
Wallace & Sons, 29 Chambers
Waterbury Brass Co. 296 B'way

BRASS WIRE CLOTH.

Bataille, Achille, 122 W. B'way (see add p. 23.)
DeWitt Wire Cloth Co. 32 Reade

DE WITT WIRE CLOTH CO.,

Manufacturers of

Brass and Copper Wire Cloth, &c.,

32 Reade Street, New York.
703 Market St., Philadelphia, Pa.

See Advertisement, page 26.

Estey, W. S. 65 Fulton (see add p. 24.)
Howard & Morse, 45 Fulton (see add p. 5.)
McMurray, Robert T. 141-143 Centre (see add p. 25.)

BRASS AND IRON BEDSTEAD MFRS.

Baldwin, F. J. & Co. 1191 Broadway
Fiske, J. W. 26 Park pl. and 21 Barclay
Hoskins & Sewell, 16 E. 15th
Judd, H. L. & Co. 87 Chambers
Mersereau, W. T. & Co. 39 Union sq
National Wire Mattress Co. 20 E. 14 h
New York Brass Furniture Co. 39 Union sq
Warner & King, 404 Sixth av
Westervelt, A. B. & W. T. 102 Chambers (see add p 203.)
Willard Metal Co. (mfrs.' agents), 232 Canal
Wilson & Barnard, 823 Broadway

BRASS WIRE RAILING.

Buchschatz, A. & Brendle, 159 Ludlow
Conover, J. & S. 28-30 W. 23d (see add p. 85.)
DeWitt Wire Cloth Co. 32 Reade (see add p. 26.)
Estey, W. S. 65 Fulton (see add p. 24.)
Goulds, M. Son & Co. 105 Duane
Howard & Morse, 45 Fulton (see add p. 5.)
New York Brass & Wire Works Co. 177 Grand

BRICK ACID.

Staten Island Terra Cotta Lumber Co. Equitable bldg. 120 Broadway (see add p. 130.)

BRICK ARTIFICIAL STONE.

Colman, Chas. H. 145 B'way (see add pp. 136-137
North American Pyrogranite Co. 52 W. 15th
Schultz, Geo. S. 313 Eleventh av
Stone Brick Co. 174 Chambers

BRICK, CHOICE, FANCY AND ORNAMENTAL.

Boston Terra Cotta Co. Times bldg. 41 Park row
Eastern Hydraulic Pressed Brick Co. (F. L. Blake, agt.), World bldg. room 87
Fleming Cement & Brick Co. 23 Liberty
Hendrickson, I. C. 237 B way

BALTIMORE TERRA COTTA CO.,

No. 535 COLUMBIA AVE., Baltimore, Md.

I. C. HENDRICKSON, Sole Agent,

237 BROADWAY, NEW YORK.

Also Sole Agent for Burns, Russell & Co.'s Celebrated Baltimore Front Brick, Roof Tile &c.

See Advertisement, page 139.

Meeker & Carter, 14 E. 23d (see add 139)
New York Anderson Pressed Brick Co. Lincoln bldg. 1 Union sq

NEW YORK ANDERSON PRESSED BRICK CO.

MANUFACTURERS OF

Plain, Ornamental, Obsidian, Buff, Gray and Other special

FINE PRESSED BUILDING BRICK.

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Telephone, Call 1152 18th.
Works at Kreischerville, Staten Island, N. Y.

See Advertisement, page 138

New York Architectural Terra Cotta Co. Potter bldg. 38 Park row (see add p. 138)
Person, Orrin D. Mohawk bldg. 160 Fifth av. cor. 21st (see add p. 139.)
Perth Amboy Terra Cotta Co. 160 Broadway
Pope, Chas. E. & Co. (mfrs,' agts.), 45 B'way
Porter, John Co. The, 45 Broadway
Raritan Hollow & Porous Brick Co. MacIntyre bldg. 874 Broadway
Sayre & Fisher Co. Bennett bldg. Fulton and Nassau (see add p. 139.)
Schermerhorn, J. Maus, Times bldg. 41 Park row
Schultz, George S. 313 Eleventh av
Staten Island Terra Cotta Lumber Co. Equitable bldg. 120 B'way (see add p. 130.)
Stephens, Armstrong & Conkling, 181 B'way

STEPHENS, ARMSTRONG & CONKLING,
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181 Broadway, New York.
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ENGELHARDT & MAYLAND,
SOLE SELLING AGENTS,
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Office, Times Building, N. Y., Room 108.
Yard, 73 and 75 North Seventh Street, Brooklyn.
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E. H. THOMAS,
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Buffs Used in Madison Square Garden.
173 Broadway, Room 9, New York.

Weeks, Charles R. & Bro. (mfrs.' agts.), 74 Murray
Wyandanee Brick & Terra Cotta Co. 19 Park pl

BRICK COMMISSION MERCHANTS.

Purdy & Pitts, 628 W. 30th

PURDY & PITTS,
Brick Commission Merchants.
Office, 628 West 30th St., N. Y.
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Washburn & Barnes, 626 W. 30th
Wood, Joseph, 628 W. 30th

1838, Gilbert Wood. -Telephone, 1053 38.- 1890, Joseph Wood.
JOSEPH WOOD,
(Successor to GILBERT WOOD & SON,)
COMMISSION MERCHANT,
628 WEST 30th STREET.
Agent for the Sale of Brick by the Cargo. Building Material Exchange, 59 to 65 Liberty St., New York.

BRICK CLAY RETORTS.

Kreischer, B. & Sons. 132 Mangin
Maurer, Henry & Son, 420 E. 23d (see add p. opposite back inside cover.)
Schultz, Geo. L. 313 Eleventh av
Weber, Adam, 633 E. 15th

BRICK, COMMON.

Belknap, B. H., 7 Coenties slip
Bonner Brick Co. 156 Broadway
Canda & Kane, dealers, Main Office ft. of W. 52d
Candee & Smith, dealers, Main Office ft. of E. 26th (see add p. 140)
Diamond Brick Co. 624 W. 30th
Emmons, Eben S. 604 W. 30th
Foster, Daniel, mfrs.' agt. 624 W. 30th
Guinee, Oscar A. 632 W. 30th
Hammond, Wm. K. mfrs.' agt. 624 W. 30th
Hartt, Patrick, mfrs.' agt. 604 W. 30th
Hendrickson, I. C. mfrs.' agt. 237 Broadway (see add p. 139)
Isaacs, Gustavus, 21 Bethune
Kreischer, B. & Sons, 132 Mangin
Lorillard Brick Works Co. 92 & 94 Liberty
McNamara, J. C. mfrs.' agt 604 W. 30th
Manchester & Philbrick, dealers, ft. of E. 91st & 2403 Third av (see add p 140)
Main, Robert T. mfrs.' agt. 626 W. 30th
Maul, Adolph, mfrs.' agt. 626 W. 30th
Miller & Vanvalen, mfrs.' agt. 284 South
Murtaugh, Chas. E. & Co. ft. Rivington
N. Y. Anderson Pressed Brick Co. Lincoln bldg. Union sq. (see add p. 138)
Nickerson, Prince W. mfrs.' agt. 632 W. 30th
Payne, John, 626 W. 30th
Peck, Martin & Co. 360 West
Person, Orrin D. Mohawk bldg. 21st & Fifth av (see add p. 139)
Purdy & Pitts. 628 W. 30th
Reveley, Henry, mfrs. agt. 604 W. 30th
Salamander Works, 61 Bethune
Savage Fire Brick Co. 45 Broadway (Pope, C. E. & Co. agts.)
Sayre & Fisher Co. Bennett bldg. cor. Nassau & Fulton (see add p. 139)
Schultz, Geo. S. mfrs.' agt. 313 Eleventh av
Stone Brick Co. 174 Chambers
The Van Fire Proofing Co. (Albert Von Den Driesch) 92-94 Liberty (see add op. back inside cover)
Tompkins, Calvin, 150 Broadway (see add p. 140)
Union Mining Co. 1 Broadway
Washburn & Barnes, 626 W. 30th
Weeks, Chas. R. & Bro. mfrs.' agt. 74 Murray

Wood, Gilbert & Son, mfrs.' agt. 628 W. 30th
Wyandance Brick & Terra Cotta Co. 19 Park pl

BRICK DEALERS.

Atlantic Brick Co. 664 Pine
Belknap, B. H. 7 Coenties sl
Bonner Brick Co. 156 Broadway
Boston Terra Cotta Co. Times bldg. 41 Park row
Canda & Kane, ft. W. 52d
Candee & Smith, ft. E. 26th & 14 Vesey

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AND CONTRACTORS' SUPPLIES.

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Principal Office, 26th St., E. R.

See Advertisement, page 140

Diamond Brick Co. 624 W. 30th
Donnellon, John, First av & 97th
Eastern Hydraulic Pressed Brick Co. F. L. Blake, agt. World bldg. room 87
Fleming Cement & Brick Co. 23 Liberty
Foster, Daniel, 624 W. 39th
Goss, Edsall & Co. 360 West
Griffing, Emanuel Brick Co. Times bldg. 41 Park row
Hammond, William K. 624 W. 30th
Hartt, Patrick, 604 W. 30th
Hendrickson, I. C. 237 Broadway room 24 (see add p. 139)
Lorillard Brick Works, 92-94 Liberty
Manchester & Philbrick, ft. E. 91st & 2403 Third av (see add p. 140)
McNamara, John C. 604 W. 30th
Main, Robert T. 626 W. 30th
Maul, Adolph, 200 E. 37th
Meeker & Carter, 14 E. 23d
Miller & Vanvalen, 284 South
Murtaugh, Chas. E. & Co. ft. Rivington
New York Anderson Pressed Brick Co. Lincoln bldg. Union sq. (see add p. 138)
New York Architectural Terra Cotta Co. Potter bldg. 38 Park row
Nickerson, P. Wm. 634 W. 30th

PRINCE W. NICKERSON. CHAS. W. NICKERSON.

P. W. NICKERSON,

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Paye, John, 626 W. 30th
Person, Orrin D. Mohawk bldg. 160 Fifth av. cor. 21st (see add p. 139)
Perth Amboy Terra Cotta Co. 160 Broadway
Purdy & Pitts, 628 W. 30th
Raritan Hollow & Porous Brick Co. MacIntyre bldg. 874 Broadway
Reveley, Henry, 604 W. 30th
Sayre & Fisher, 99 Fulton (see add p. 139)
Shultz George S. 313 Eleventh av
Staten Island Terra Cotta Lumber Co. Equitable bldg, 120 Broadway (see add p. 130)
Stevens, Armstrong & Conkling, 181 Broadway
Stone Brick Co 174 Chambers
The New York Anderson Pressed Brick Co. Lincoln bldg. 1 Union sq. (see add p. 138)
The Peerless Brick Co., Phila., Pa. Englehardt & Mayland, agts Times bldg. 41 Park row
Thomas, E. H. 173 Broadway
Tomkins, Calvin, 150 Broadway
Van Valen, Jos. R. 284 South & 14 Vesey
Washburn & Barnes, 626 W. 30th
Weeks, Chas. R. & Bro. 74 Murray
Wood, Joseph, 628 W. 30th
Wyandance Brick & Terra Cotta Co. 16 Murray & 19 Park pl

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Schermerhorn, J. Maus, mfr. Times bldg. 41 Park row

GRIFFEN ENAMELED BRICK CO.,

J. MAUS SCHERMERHORN, Pres't,

MANUFACTURERS OF THE

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Main Office, Times Building, New York.

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Boston Terra Cotta Co. Times bldg. 41 Park row
Fisher, Erskine W. (importers' and manufacturers' agent), 18 Broadway (see add p. 117)
Fleming Cement & Brick Co. imp. & mfrs.' agts. 23 Liberty
Hendrickson, I. C. dealer, 237 Broadway (see add p. 139)
Maurer, Henry & Son (manufacturers), 420 E 23d (see add op. inside back cover)
Menlo Park Ceramic Works (manufacturers), Jer. T. Smith, prop., Metropolitan Life Insurance bldg, 23d & Madison av (see add p. 131)
Meeker & Carter (importers' & mfrs.' agents) 14 E. 23d
New York Anderson Pressed Brick Co. The (manufacturers), Lincoln bldg. 1 Union sq. (see add p. 138)
North American Pyrogranite Co. (manufacturers), 52 W. 15th
Person, Orrin D. (dealers' & mfrs.' agent), Mohawk bldg. 160 Fifth av cor. 21st (see add p. 139)
Raritan Hollow & Porous Brick Co. (manufacturers), MacIntyre bldg. 874 Broadway
Sayre & Fisher (manufacturers), Bennett bldg. cor. Nassau & Fulton (see add p. 139)

Schermerhorn, J. Maus (manufacturer of Griffen Enameled Brick) Times bldg. 41 Park row
Schultz, George S. (dealer) 313 Eleventh av
Staten Island Terra Cotta Lumber Co. Equitable bldg, 120 Broadway (see add p. 130)
Weeks, Charles R. & Bro. (importers' & mfrs.' agents) 74 Murray

BRICK, FINE FRONT, BUFF, MOTTLED AND OLD GOLD.

Boston Terra Cotta Co. Times bldg. 41 Park row
Eastern Hydraulic Pressed Brick Co. F. L. Blake, agt. World bldg. room 87

EASTERN HYDRAULIC-PRESS BRICK CO.,
Works, Winslow Junction, N. J.
MANUFACTURERS OF
Front and Ornamental Pressed Brick
In all the Latest and Most Artistic Varieties of
BUFF AND GRAY SHADES
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F. L. BLAKE, Representing.

Fleming Cement & Brick Co. 23 Liberty
Hendrickson, I. C. 237 Broadway

BALTIMORE TERRA COTTA CO.,
No. 535 COLUMBIA AVE., Baltimore, Md.
I. C. HENDRICKSON, Sole Agent,
237 BROADWAY, NEW YORK.
Also Sole Agent for Burns, Russell & Co.'s Celebrated Baltimore Front Brick, Roof Tile &c.
See Advertisement, page 139.

Meeker & Carter, 14 E. 23d
North American Pyrogranite Co. 52 W. 15th
New York Anderson Pressed Brick Co. Lincoln bldg. 1 Union sq. (see add p. 138)

NEW YORK ANDERSON PRESSED BRICK CO.
MANUFACTURERS OF
Plain, Ornamental, Obsidian, Buff, Gray and Other special
FINE PRESSED BUILDING BRICK.
(Under Patents of J. C. ANDERSON.)
General Office, Rooms 402-403 Lincoln B'ld'g,
Cor. 14th St. and Union Square, W., NEW YORK.
Telephone, Call 1152 18th.
Works at Kreischerville, Staten Island, N. Y.
See Advertisement, page 138.

New York Architectural Terra Cotta Co. Potter bldg. 38 Park row
Person, Orrin D. Mohawk bldg. 160 Fifth av. cor. 21st

ORRIN D. PERSON,
Mohawk Building, Cor. 21st St. & 5th Ave.
Akron Vitrified Roofing Tile.
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See Advertisement, page 139.

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Raritan Hollow & Porous Brick Co. MacIntyre bldg. 874 Broadway

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See Advertisement, page 139.

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Staten Island Terra Cotta Lumber Co. Equitable bldg. 120 Broadway

STATEN ISLAND TERRA COTTA LUMBER CO.
MANUFACTURERS OF
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New York Office, Equitable Building.
Factories, Woodbridge, N. J.
See Advertisement, page 130

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Architectural + Terra + Cotta,
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Gaebel, George A. 238 Second
Gustavino Fire Proof Construction Co. ft. of W. 57th
Hammell & Gillespie, 240 Front
Kreischer B. & Sons, 132 Mangin
Lorillard Brick Works, 92-94 Liberty
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Ohio Sewer Pipe Co. 145 Broadway (see add p. 137)
Pense Mfg. Mining & Supply Co. 82 John
Person, Orrin D. Mohawk bldg. 160 Fifth av, cor. 21st (see add p. 139)
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Rader, G. W. & Co.
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Salamander Works, 61 Bethune
Sayre & Fisher Co. Bennett bldg. Nassau & Fulton (see add p. 139)
Schultz, George S. 313 Eleventh av
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Perth Amboy Terra Cotta Co. 160 Broadway
Raritan Hollow & Porous Brick Co. MacIntyre bldg. 874 Broadway
Sayre & Fisher Co. Bennett bldg. Fulton & Nassau (see add p. 139)
Staten Island Terra Cotta Lumber Co. Equitable bldg. 120 Broadway (see add p. 130)
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New York Architecturnl Terra Cotta Co. Potter bldg. 38 Park row
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Sayre & Fisher Co. Bennett bldg. Nassau & Fulton (see add p. 139)
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Schultz, Geo. S. 313 Eleventh av
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New York Architectural Terra Cotta Co. Potter bldg. 38 Park row
North American Pyrogranite Co. 52 W. 15th
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Schultz, George S. 313 Eleventh av
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Cornell, J. B. & J. M. 26th and Eleventh av (see add pp. 35, 37, 39)
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Poughkeepsie Bridge Co. 115 Broadway
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Springfield Foundry Co. Springfield, Mass. New York office Equitable bldg, room 12, 4th floor (see add p. 16)
Williams, John, 544-556 W. 27th (see add p. 36)

BRONZE FOUNDERS, ARCHITECTURAL.

Baynes Tracery & Mosaic Co. 607 W. 26th
Fischer, Geo. & Bro. 209 Forsyth
Gorman Mfg. Co. Broadway & 19th
Graff, Frank H. 322 Seventh av
Hecla Architectural Bronze & Iron Works, office Pulitzer bldg, rooms 48-51 (see add p. 28)
Jackson Architectural Iron Works, 315 E. 28th (see add p. 31)
Lamb, J. & R. 59 Carmine
McLean, John, 298 Monroe
Power, Maurice J. Office, 237 Broadway, Foundry, 218 E. 25th
Spadone & Cabaret, 675 Hudson

The Prince & Kinkel Iron Works, 729-731 First av (see add p. 51)
Williams, John, 544, 556 W. 27th (see add p 36)

BRONZE FOUNDERS, MONUMENTS AND STATUARY.

Bonnard, Henry, Bronze Co. 430 W. 16th
Power, Maurice J. Office, 237 Broadway, Foundry, 218 E. 25th
The Prince & Kinkel Iron Works 729-731 First av (see add p. 51)
Williams, John, 544-556 W. 27th (see add p. 36)

BRONZE FOUNDERS, TABLETS AND MEMORIALS.

Bonnard, Henry, Bronze Co. 420 W. 16th
Lamb, J. & R. 59 Carmine
Power, Maurice J. 237 Broadway, 218 E. 25th
The Prince & Kenkil Iron Works, 729-731 First av (see add p. 51)
Williams, John, 544-556 W. 27th (see add p. 36)

BRONZE GOODS MFRS.

Ansonia brass and Copper Co. 19-21 Cliff
Ansonia Clock Co. 11-19 Cliff
Archer & Pancoast Mfg. Co. 898-900 Broadway
Bonnard, Henry, Bronze Co. 430 W. 16th
Bradley & Hubbard Mfg. Co. 21 Barclay and 26 Park pl
Brass Goods Mfg. Co. 88 Chambers
Butler Hardware Co. 18 Warren
Claudet, Frank, 446 W. 16th
Conover, J. S. & Co. 28-30 W. 23d (see add p. 85.
Corbin, P. &. F. 24-26 Murray
Craighead & Kintz Co. 33 Barclay
Einbigler & Adler, 610 Eighth av., and 244 W. 27th
Enoch Bros. 480 Pearl
Fischer, George & Bro. 209 Forsyth
Gleason, Henry, 106 Beekman
Gothberg, H. 37 College pl
Greeley, E. S. & Co. The, 5-7 Dey
Guerin, P. E, 24 W. 3d
Hecla Architectural Bronze & Iron Works, Pulitzer bldg, rooms 48-51 (see add p. 28)
Henry-Bonnard Bronze Co. 430-436 W. 16th
Hopkins & Dickinson Mfg. Co. 83 Reade
Jackson Architectural Iron Works, 315 E. 28th (see add p. 31)
Keil, Francis & Son, 163d N. Brook av
Kroeber, F. Clock Co. 360 Broadway
Mallory Wheeler Co, The, 64 Reade
Manhattan Brass Co. 338 E. 28th
Meriden Bronze Co. Church c Park pl
Miller, Edward & Co. 10-12 College pl
Miller, Thomas, 104 Centre
Mitchell Vance Co. The, 836-838 Broadway
Moore, M. E. Bronze and Plate Co. 540-546 W. 23d and 3 Park pl
Muller's, Nicholas, Sons, 117 Chambers
Nash, A. H. 209 Centre
Newman, A. G. 1180 Broadway
Norwalk Lock Co. 82 Chambers
Parker, Charles Co. The, 97 Chambers
Phillips, H. 530 West 20th
Pomeroy & Fisher 30 Frankfort
Power, Maurice J. 237 Broadway
Russell & Erwin Mfg. Co. 43-47 Chambers
Sargent & Co. 37 Chambers
Schneider, Campbell & Co. 7-9 Union sq
Schuneman, Chas. H. 2-4 Howard
Smith & Egge Mfg. Co. The, 62 Reade, represented by J. J. Halpin
Strauss, L. & Sons, 42-48 Warren
The Prince & Kenkil Iron Works, 729-731 First av (see add p. 51)
Tiffany & Co. 15 Union sq
Union Mfg. Co. 103 Chambers
White, Edward C. 556 W. 34th
Wilcox & Matthews Co. 42 Murray
Williams, John, 544-556 W. 27th (see add p. 36)

BRONZE POWDER.

American Bronze Powder Mfg Co. 6 Murray
Barbey, Gabriel H. 22 Platt
Birkner, Joachim, 139 William
Ehrman, Ernest, 98 William
Eiche, Jackson & Mungar, 45 Murray
Fuchs & Lang, 29 Warren
Gerstendorfer Bros. 17 Barclay
Griffing, A. A. Iron Co. 15 Dey
Hemmerdinger, L. & Co. 221 Centre
Henke, Robert, 175 Park row
Hoffman & Oehninger, 496 Broome
Kemp, W. H. & Co. 176-178 Hudson
Langtry Gold Paint Co. 29 Murray
Marsching, J. & Co. 27 Park pl
Mayer, Robert & Co. 50 Barclay
Meier, George & Co. 135-137 William
Meiners, B. 49 Murray
Newburger, A. & St. & Co. 66 Warren
Piper, Doremus & Co. 257 Greenwich
Rosenstein, Hugo, 96 John
Sartorious, A. & Co. 28 Barclay
Schnelz, John & Co. 17 Dey
Schmidt, K. & Co. 44 College pl
Schultz & Co. 25 St. Mark's pl
Siebold, M. 44 Vesey
Smith, A. & Sons, 114 Fulton
Sondheim, Alsberg & Co. 54 Maiden lane
Swartz, E. H. 23 Ave. A. (see add p. 106)
Williams, John, 544-556 W. 27th (see add p. 36)

BRONZE WIRE CLOTH.

Bataille, Achille, 122 W. Broadway (see add p. 23)
Dewitt Wire Cloth Co. 32 Reade (see add p. 26)
Estey, W. S. 65 Fulton (see add p. 24)
Howard & Morse, 45 Fulton (see add p. 5)
McMurray, Robt. T. & Bro. 141-143 Centre (see add p. 25)

BRUSHES.

Adams, J. J. & Co. 94 Beekman
Aquila Rich Paint and Color Co. 84 William
Ascher, Leopold, 192 Pearl
Asseng, Theodore, 237 E. 81st
Baldwin, John H. 184 William
Bonneau, Andre, jr. 506 Broome
Bradley & Smith, 251 Pearl
Brandt, Matthew, 312 E. 49th
Corridon & Meyers, 89 Fourth av
Devoe, F. W. & Co. 103 Fulton

F. W. DEVOE & CO.,

ARTISTS' MATERIALS,

103 FULTON STREET,

NEW YORK.

See Advertisement, page 90.

Ebert & Robinson, 21 College pl
Emmens, Charles, 54 Eighth av
Fehrer, Ferdinand, 523 E. 12th
Ferguson, Robert, 51 Mercer
Gerhardt, Christian, 584 Hudson
Gibson, George R. 10 Barclay
Gray, George, 290 Front
Guillan, Thomas S. 313 Spring
Haertel William B. 3 Bedford
Hanlon & Goodman, 57 Fulton
Hare, Matthew, 469 Pearl
Hollingworth, William S. 49 W. B'way
Hoppel, John K. 315 Pearl
Howard Brothers & Co. 19 Mercer
Keane, Michael J. A. 47 Dey
Keller, Simon, 423 E. 17th
Kretzschmar, Emil A. 12 Stanton
Kunze, August, 69 E. First
Leiner, Moritz, 1267 Boston rd
Lore, Peter, jr. 384 E. 8th
McArthur, J. & Co. 131 Reade
McFadden, William, r 632 E. 12th
Maguire, J. V. 80 Elm

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Michaelson, Philip & Son, 99 Av. C
Miles Brothers & Co. 102 Fulton
Mitchell, Edwin, 63 Fulton
Newman & Kinkele, 12 Barclay
Nobis, Victor, 8 New Bowery and 400 Pearl
Noe's, James H. Son, 275 Greenwich
Preater, Peter M. 359 Pearl
Quinlan, William, 1 New Bowery
Robbins, Andrew W. 1943 Vanderbilt av. W
Rosenthal, H. & Brother, 120 Chambers
Scherer, John, 650 E. 152d
Seckler, Louis, 347 E. 10th
Smith, Alfred H. 107 Chambers and 91 Reade
Smith, J. Finley & Son, 107 Chambers and 91 Reade
Smith, A. & Sons, 114 Fulton
Staab, C. P. & Co 110 Duane
Standard Brush Co. 400 Broome and 46 Marion
Stevens, W. J. & Co. 299½ Broadway
Swartz, E. H. 23 Av. A (see add p. 106.)
Wainwright, A. F. & Co. 269 Pearl
Walker, George & Sons, 656 Ninth av
Warner, William E. 86 Centre
Wells, George A. 25 Greene
Wolfe Bros. & Co. 49 Frankfort
Woodbury Brothers, 258 Eleventh av

BUILDERS.

Adamson, A. 258 Pearl
Adamson, J. H. 7 Ann
Aldhous, Frederick, 2323 Sixth av
Algie & McCool, 51 W. 62d
Algie & Thompson, 51 W. 62d
Allen, John, 34 Gold
Am. Patent Portable House Mfg. Co. 48 Wall
Amsterdam Improvement Co. 5 Beekman
Anderson, Jesse, 43 Duane
Anderson, John, 718 E. 144th
Anderson, J. C. 21 Pearl
Anderson, Wadden P. W. 93d cor. Columbus av
Arctander, A. Willis av. and 143d
Armstrong, William, 437-439 W. 42d
Arnold, William, 100 Elm
Arnott, W. H. & Co. 395 Canal

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Baird, Robert B. 204 W. 103d
Baker, H. S. 492 E. 128th
Banzer, George G. East End av cor. E. 88th, 455 First av
Beandet, H. J. 81 E. 125th
Bischof, Wm. jr. 257 W. 42d
Blackledge, B. & Son, 153 W. 18th
Bloodgood, F. & W. E. 8 York
Bogart, A. G. & Brother, 113 Bank
Bond & Co. 280 Broadway
Brady, James, 317 E. 56th
Braender, Phillip, 122 E. 86th
Brandt, L. & J. ft. E. 83d
Brandt, John, 1491 Third av
Brennan, Mark P 1164 Ninth av
Brennan, Michael, 1205 Ninth av
Brennan & Sullivan, 313 Third av
Brennan, Thomas, 211 E. 23d
Britton, E. L. 615½ Hudson
Brown, Carley & Co. 35 Wall
Brown, H. 506 E. 121st
Brown, John J. 128 W 49th
Buck, Charles, 1187 Columbus av
Bunn, Charles H. 280 Broadway
Burke, L. A. & Co. 51 Chambers and 313 E. 106th

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Butler & Mahoney, 580 Third av
Byrne & Perry, 5 Beekman
Byrnes, P. J. 160 E. 36th
Callahan, Cornelius, 328 E. 24th
Campbell & Gallon, 257 W 42d
Cavainato Brothers, 1291 Lexington av, 147 Willis av
Chandler, Benjamin D. 7 Rector
Chesley, W. P. cor. Liberty & West

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Colcord, Samuel, 103 W. 82d
Connolly, E. H. & Sons, 675 Lexington av, 1818 Second av
Coogan, M. 448 E. 115th
Cooney, J. H. 1242 Third av
Co-operative Building Plan Assn. 63 Broadway
Corliss, John, 242 E. 45th
Cotter Bros. 630 E. 138th
Cowen, Charles A. 237 W. 122d
Crawford, F. 1172 Ninth av, 114 W. 72d
Crow, Langstaff N. 21 Park row
Crow, William L. 21 Park row
Daby, Cornelius, 78 E. 116th
Darragh, J. E. 213 W. 125th
Darragh, Robert L. 1539 Broadway
Davis & Fay, 70 Bedford
Davis, H. P. 276 Columbus av
Davison, Wellington, 2250 Cambreling av
Dawson & Archer, 315 Madison av
Deane, Henry W. 268 W. 34th
Decker, John W. 841 Forest av
Deeves, Rich. 181 Broadway, 146 W. 83d
Derr, George, 304 Broadway
Dexter, Edward, 18 Broadway
Dietsch, Morris S. Boulevard, c. E. 149th
Diller, William E. 2005 Seventh av, and 12 W. 75th
Dobbins, T. 1193 Broadway
Dodd, John M. jr. 35 Broadway
Donnellon, S. R. & H. B 161 Broadway
Donvan, James V. 173 E. 94th
Doyle, A. T. 167 Broadway
Dubois, J. M. 218 Thompson
Ducker Portable House Co. 239 Broadway
Eck, Joseph, 88 Second av
Eden, Edward, 194 Broadway
Edger, G. C Sons, 695 Columbus av
Eggers, Geo. W. 1603 Ninth av
Eidlitz, Marc & Sons, 489 Fifth av
Elderd, William E. 464 E. 135th
Emrich, Joseph, 150 Broadway
Farley's, Terence, Sons, 253 Columbus av
Fernschild, Wm. & Son, 72 E. 120th
Ferrier, James F. 109 W. 49th
Fielder, John W. 59 Liberty
Findley, George r. 347 W. 48th
Fink, Charles, 127 Thompson
Finn, Myer, 80 Pine
Fish, John, 330 E. Ninth
Fitzgerald, T & Son, 126 W. 16th
Fitzpatrick Bros. 45 E, 106th
Forster & Livingston, 172 E. 62d
Frame, James A. & Son, 107 E. 70th
Frees, John, 612 E. 156th
Friedel, John, Amsterdam av. c 168th
Gallagher, Bernard, 41 Peck slip
Gallagher, Joseph P. 374 W. 116th
Gallagher, Patrick, 822 Broadway
Gardner, E. W. 134 E. 124th

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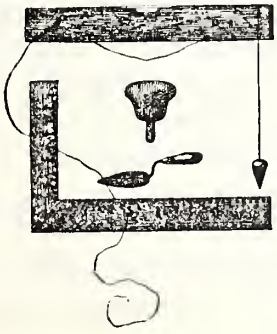

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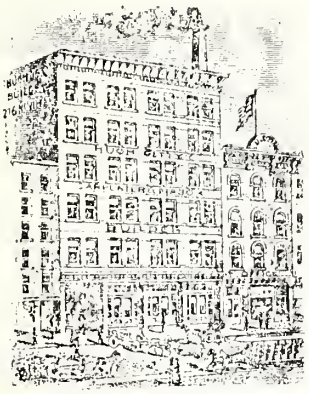

274 276, 278 & 280 NINTH AVE
OFFICE 274 9TH AVE
·NEW YORK·

See Advertisement, page 107.

Gibbins, A. 310-312 W. 40th
Giblin, Michael, 45 W. 90th
Gibson, W. M. 939 Sixth av, 1720 Broadway
Gies, John M. 2674 Eighth av
Gillespie, John N. Westchester av n. Tiffany
Glynn, John, 200 W. 43 and 1491 Broadway
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Graham, R. 267 W. 30th
Grenell, Increase M. 672 Columbus av
Gridley, Edward, 240 W. 27th
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Gustaveson, Edward, 490 E. 139th
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Hamilton, John L. & Sons, 317 26th
Hamm, Howard D. 244 W. 132d and 1878 Lexington av
Hammel's, James, Sons, 10 Bayard & 230 E. 63d
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Hedden, V. J. 143 Liberty
Helmke, Henry B. 1 W. 83d
Henley, Thomas, 47 Ann
Hendricks, G. W. 10-12 Marion
Henry, Ralph, 408 E. 24th

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Hohn, Philip, 120 Ludlow
Hood, James, 34 Gold

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See Advertisement, page 127.

Hopper, Isaac A. 163 W. 122d
Hopper, John J. 200 W. 124th
Horgan & Slattery, 12 Roosevelt
Hudson River Building Co. 206 Broadway
Hume, C. E. 357 W. 52d
Husted, James B. 171 Broadway
Imhof, Anthony G. 144 E. 15th

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Lally, James J. & Co. 711 Tremont av
Larkin, Thos. J 1344 Amsterdam av
Lawlass, Thomas, 1072 Third av
Lawson, Peter, 174 E 74th
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McElroy & Son, Brookline, n Marron av
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McManus, Chas. & Sons, 21 Park row
McManus, P. H. 262 W. 135th
McManus, Thomas, 200 E. 75th
McQuade, S. & A. 218 E. 99th
Macdonald, John H. 261 W. 27th
MacDonald John J. 1504 Third av
Mackey, O. T. 237 E. 50th
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Mandeville, H. & Son, 247 W. 47th
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Mason & Co. 320 Madison av
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Mettler, Isaac V. 159 E. 25th
Monk & Gillies, 92 Eighth av
Mooney, Patrick, 408 Seventh av
Moore, Alexander, 516 W. 52d
Moore, Charles E. 2804 W. 15th
Moore, Hiram, 2804 W. 115th
Moses & Fanton, 176 Broadway
Murray, William A. 171 Broadway
Nally & Wandell, 249 Columbus av
Niebuhr Bros. 2635 Tenth av
Niebuhr, H. P. 502 W. 145th
Noble, John, 35 Broadway
Noble, William, 171 Broadway
Norcross Bros 81 E. 125th

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O'Brien, Wm. S. 238 E. 26th
O'Conner, J. 205 E. 76th
O'Gorman, William, 300 Willis av

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Piering, Henry, 693 E. 145th
Platt, Richard G. 511 Boulevard
Poole, James E. 105 E. 124th
Portable House Co. 335 Broadway
Porter, John G. 36 Beekman
Powers & Welcher, 228 W. 105th
Pruss, Adolph, 44 E. 4th
Rae, Thomas, 405 W. 24th
Reade, Charles E. & Son, 36 Union sq. E
Reilly, Hugh, 1878 Lexington av
Roberts, John B. 245 Broadway

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Royerman, H. 546 E. 154th
Ruck, John, 910 Ninth av
Ruddell, Geo. W. 103 W. 121st
Ryan, E. L. 5 Beekman
Sackman, Peter, 1762 Amsterdam av
Sauter, Louis, 638 E. 156th
Schaeffler, Joseph & Son, 613 E. 16th
Schappert, John, 1817 Second av
Schnugg, F. J. 179 E. 96th

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Scott, John, 4 W. 113th
Seitz, Francis A. 13 Astor pl
Sexton, William, 143 E. 39th
Slade, William G. 93 Duane
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Smith, H. I. 103 W. 82d
Smith, James B. 18 Broadway
Smith, Jere T. Metropolitan Life Insurance bldg. 23d st & Madison av (see add p. 131)
Smith, T. G. 111 Broadway

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Smith, R. C. 1 Broadway
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Snaith, John, 121 E. 23d
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Spelman's, P. H. Sons, 200 E. 19th
Squier, J. Bentley, 176 Broadway
Squier & Whipple, 146 Broadway
Staatz, Wm. 504 E. 56th
Staiger, Gustav, 152 Second av
Steele & Costigan, 228 W. 10th
Steinhiller, Adam, 215 Av. A
Steinnitz, John H. 1804 Ninth av
Stewart, P. M. 103 W. 82d
Streifler, Jacob, 316 W. 144th
Suhr, Ilperin, 501 E. 16th
Suburban Finance & Construction Co. 35 Wall
Taussig, Gustav F. 1029 Lexington av
Teets, J. W. & A. A. 505 Manhattan Av
Terwilliger, Cornelius R. 519 W. 157th
Tucker, Edwin, 37 W. 12th
Tucker, John J. 37 W. 12th
U. S. House Providing Assn. 30 Broad
Vanbrunt, Thomas C. 232 W. 136th
Thomas & Post, 100 Elm
Umberfield, C. N. 159 E. 54th
Vandewater, Joseph E. 115 Nassau
Vix, Jacob & Son, 213 W. 125th
Vought, H. H. 501-505 E. 70th
Walbridge, A. C. 120 Broadway

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NEW YORK.

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Weeks, Henry C. 56 E. 23d
White & Anderson, 2028 Lexington av
Whitenack, John H. 3 York
Whipple, H. C. & Co. 338 W. 4th
Whyte, Wm. C. 15 Cortlandt
Wills, Chas. T. 21 E. 20th

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BUILDER,

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Wolfer, Stephen J. 750 Second av
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Wright, Samuel O. 128 W. 121st
Wuystack, Adolph, 1332 Washington av
Yost, Abraham, 319 E. 125th
Youngs, George G. Amsterdam av e. W. 168th
Zeller, Rudolph, 614 E. 9th
Ziegler, Casper, 210 E. 51st
Zimmerman, Justice H. 11 W. 133d

BUILDERS' BLIND AND FIXTURES FITTINGS.

Becker & Co. 330 W. 36th
Butler Hardware Co. 18 Warren
Champion Safety Lock Co. 92 Chambers
Corbin, P. & F. 24 Murray
Dudley Shutter Worker Co. 5 Beekman
Kuhn, M. G. 214 Centre
Payson Mfg. Co. 97 Chambers
Pyrogravure Wood Co. 230 E. 37th (see add pp. 96, 97)
Stanley Works, 79 Chambers
The Smith & Egge Mfg. Co. 62 Reade, represented by J. J. Halpin
Van Wagoner & Williams, 82 Beekman
West Side Arch. Iron Works, 550 W. 33d

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ALL KINDS OF ARCHITECTURAL IRON WORK,

550 to 560 West 33d St., New York.

See Advertisement, page 29.

Young, G. Wright, Co. 50 Broadway (see add p. 86)

BUILDERS' AND CONTRACTORS' LADDERS AND SCAFFOLDS.

Chesebro, Whitman & Co. 300 E. 64th

CHESEBRO, WHITMAN & CO.,

LADDERS, POLES, &c.,

300 EAST 64th STREET,

NEW YORK.

See Advertisement, page 44.

Johnston Brothers, 157 E. 113th
Metz, Ernest, 331 E. 27th
Miller, Anthony, 152 E. 23d
Patterson & Corbett, ft. of E. 109th
Smith, Joseph, 645 W. 50th

BUILDERS' DEAFENING PAPER.

Armour Bros. & Co. 70 Wall
Butler Hardware Co. 18 Warren
Foreign Trade Agency (Ltd.) 100 Maiden la
Harmon & Dixon, 118 Chambers
Hewett Bros. 48 Beekman
Johns, H. W. Mfg. Co. 87 Maiden la
Manhattan Parchment & Moth Paper Works, 2 Reade
Mica Roofing Co. 73 Maiden la
New, T. Mfg. Co. 874 Broadway
Rankin, W. H. 91 Maiden la
Standard Paint Co. 59 Maiden la
Stewart, W. H. 182 Front
Tait, J. G. 100 Maiden la

BUILDERS, DOCK, DRY DOCK AND WHARFS.

Cregin, C. A. 44 Broadway
Crimmins, J. D. & T. E. 1043 Third av
Dale, Henry, 525 W. 43d
Doremus, H. M. 71 Broadway
DuBois, Henry Sons, 119 South
Fearon & Jenks, 62 South
Flaherty, John W. 41 Peck sl
Gillis, John & Son, 31 Broadway
Howell, A. J. 336 W. 19th
Kelly, B. & Son, 187 West
McLean, C. 415 Broadway
Monks, J. & Son, 130 Water
New York Stone Contracting Co. 113 E. 25th
Rosevelt, Warren, 257 South
Simpson, J. E. & Co. 35 Broadway
Sooysmith & Co. 2 Nassau
Suffern, Ed. L. 50 Broadway
Staats, R. P. & J. H. 29 Broadway (see add p. 133)
Walls & Van Riper, 157 E. 126th
Walsh, T. & A. 114 Wall
White, I. Eugene, 16 Beaver

BUILDERS' DOOR CHECKS AND SPRINGS.

Beardsley, Jos. 59 Elm
Butler Hardware Co. 18 Warren
Coiled Wire Belting Co. 93 Cliff
Corbin, P. & F. 24 Murray
Hopkins & Dickinson Mfg. Co. 83 Reade

Moore & Barnes Mfg. Co. 112 Chambers
Newman, Allen G. 1180 Broadway
Peck, Stow & Wilcox, 27 Chambers
Russell & Erwin Mfg. Co. 45 Chambers
Sargent & Co. 37 Chambers
Union Mfg. Co. 103 Chambers
Van Wagoner & Williams, 14 Warren
Witte, John G. & Bro. 75 Chambers

BUILDERS' DOOR HANGERS AND KNOBS.

Bardsley, Jos. 149-151 Baxter
Berry, H. A. 39 Dey
Butler Hardware Co. 18 Warren
Corbin, P. & F. 24 Murray
Dietz, A. E. 97 Chambers
Haggerty, Geo. A. 803 Third av (see add p. 53)
Hopkins & Dickinson Mfg. Co. 83 Reade
Maynard, John Q. 114 Cortlandt (see add p. 20)
Newman, Allen G. 1180 Broadway
Russell & Erwin Mfg. Co. 45 Chambers
Sargent & Co. 37 Chambers
The Smith & Egge Mfr. Co. 62 Reade, represented by J. J. Halpin
Tiebout, W. & J. 16 Chambers

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(LIMITED).
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—AND—
GRINNELL AUTOMATIC SPRINKLERS,
413 BROADWAY, NEW YORK.
See Advertisement, page 71.

Auxiliary Fire Alarm Co. 280 Broadway
Badenhausen, Henry J. 100-102 W. 46th
Bogart, Abraham L. 22 Union sq.
Bray, Joseph F. & Co. 55 Dey (see add p. 54)
Electric Fire Protective Co. 280 Broadway
Finn & Braxmer, 47 Cortlandt
Gamewell Fire Alarm Telegraph Co. 1½ Barclay
Haggerty, George A. 803 Third av (see add p. 53)
Holmes Burglar Alarm Telegraph Co. 518 Broadway
Holmes Electric Protective Co. 518 & 194 Broadway & 34 E. 14th
Kane, Robert, 103 E. 9th
Leaycraft, E. S. & Son, 74 Cortlandt
Metropolitan Burglar Alarm Co. 6 Maiden Lane
National Automatic Fire Alarm Co. 317 Broadway
N. Y. Thermostatic Fire Alarm Co. 338 Broadway
Ostrander, W. R. & Co. 195 Fulton
Quimby, David S. 30 Vesey
Roome's Electric Protective Co. 32 Liberty
Rousseau's Electrical Works, Railroad av, n 138th
Snyder, James P. 96 Fulton
Union Fire Alarm Co. 64 Cedar
U. S. Auxiliary Fire Alarm Co. 280 Broadway
Vassar Burglar Alarm Mfg. Co. 56 Warren
Wildt, E. A. & Co. 83 Murray
Zimdars & Hunt, 127 Fifth av

BUILDERS' HARDWARE DEALERS.

Allen, H. F. 64 Third av
Balkana Mfg. Co. 59 Fifth av
Bayer, George, 77 W. Houston
Blesch, John, 184 Prince
Bock, Ferdinand, 84 Warren

FERDINAND BOCK,
Builders' Hardware,
84 WARREN STREET,
NEW YORK.
See Advertisement, page 75.

Brainerd, H. J. 97 Chambers
Burckard, L. V. 84 Warren
Butler Hardware Co. 18 Warren
Champion Safety Sash Lock Co. 92 Chambers
Chicago Hardware Co. 150 Fifth av
Christensen, R. 90 Chambers
Corbin Cabinet Lock Co. 24-26 Murray
Corbin, P. & F. 24-26 Murray
Crane & Halpin, 62 Reade
Culbert Bros. 311 W. 40th
Davega, S. B. & Co. 497 Third av
Dienst, Adam P. Third av cor. E. 140th
Doerge, H. 556 Eleventh av

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Dudley Shutter Worker & Burglar Alarm Co. 5 Beekman
Farrington, Joseph T. 188 Grand
Giant Sash Lock Co. 62 Reade
Griffin, Thomas, 294 Ninth av
Gwynne & Richardson, 569 Hudson

Hanton, Matthias C. 40 Catherine
Hatfield, William, 2136 Third av
Hauschmidt, Fr. & Co. 456 E. Houston
Heisser's, Jacob, Son, 511 Eighth av
Hopkins & Dickinson Mfg. Co. 83 Reade
Hull, Grippen & Co. 310-312 Third av
Keil, Francis, 163d st. n. Brooke av
Keystone Handle & Tool Co. 56 Prince
Kugler, H. & Co. 10 Division
Masbach, Charles, 1704 Third av
Merrill, Henry W. 556 Grand
Morton, Thomas, 65 Elizabeth
Nageldinger, J. 1660 Second av
Newman, Allen G. 1180 Broadway
New York Mallet & Handle Works, 456 E. Houston
Norris, W. K. New York agent Chicago Hardware Mfg. Co. 150 Fifth av
Norwalk Lock Co. 82 Chambers
Patterson Bros. 27 Park row
Payson Mfg. Co. 111 Chambers
Reading Hardware Co. 81 Reade
Reichard, Louis C. 349 E. Houston
Robbins Bros. 31 Centre
Rooney, John, 425 E. 15th
Russell & Erwin Mfg. Co. 45 Chambers
Sargent & Co. 37 Chambers
Simeox, Jas. F. 92 Chambers
Smith & Egge Mfg. Co. The, 62 Reade, represented by J. J. Halpin
Standard Window Sash Lift Co. 171 Broadway
Stanley Rule & Level Co. 29 Chambers
Stanley Works, 79 Chambers
Stock, C. A. & Co. 116 Wooster
Strohmeyer, C. S. jr. 493 Sixth av
Stroud, James, 1263 Broadway
Terrell & Vroom, 368 Eight av
Van Wagoner & Williams Co. 14 Warren
Voislawsky, Selig P. 178 Av. B
Volckhausen, C. L. & Co 36 W. 3d
Walter, J. E. 1803 Third av
Weber & Strom, 2443 Third av

WEBER & STROM,
Builders' and Cabinet Hardware,
Electrical and Factory Supplies. Fine Tools a Specialty.
2443 THIRD AVENUE,
Corner 134th Street, NEW YORK.
See Advertisement, page 75.

Weigler & Aner, 943 Third av
White, Van Glahn & Co. 15-16 Chatham sq. (see add p. 75)
Wilkening, William, 1427 Third av

WM. WILKENING,
BUILDERS' HARDWARE
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No. 1427 Third Ave., Bet. 80th and 81st Sts.
NEW YORK.
Yale Locks a Specialty. Telephone, 27 79th St.

Woehr, Henry, 120 Worth
Yale & Towne Mfg. Co. 84-86 Chambers

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Bardsley, Jos. 149-151 Baxter
Bayer, George, 77 W. Houston
Benedict, Julius, 548 W. 55th
Benedict & Burnham Mfg. Co. 13 Murray
Blemley Mfg. Co. 174 Centre
Bock, F. 142 Centre
Branford Lock Works, 94 Chambers
Brass Goods Mfg. Co. 88 Chambers
Butler Hardware Co. 18 Warren

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Chicago Hardware Co. 150 Fifth av
Chicago Spring Butt Co. 97 Chambers
Crane & Halpin, 62 Reade
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Culbert Bros. 313 W. 37th
Deintz, A. P. 6 Reade
Deitz, Alonzo E. 97 Chambers
Dudley Shutter Works & Burglar Alarm Co. 5 Beekman
Eagle Lock Co. (locks) 98 Chambers
Elbert, Frederick (locks) 105 W. 37th
Farrington, John M. 37 Warren
Farrington, Joseph T. 188 Grand
Franklin Brass Co. The, 97 Chambers
Frary Mfg. Co. 39 Dey
Gilbert, Frank W. 6 Reade
Gwynne & Richardson, 569 Hudson
Hopkins & Dickinson Mfg. Co. 83 Reade
Humason & Beckley Mfg. Co. 80 Chambers
Jayne, William, 110 Liberty
Jennings & Griffin Mfg. Co. 79 Reade & 97 Chambers
Judd, H. L. & Co. The, 87 Chambers
Keil, Francis & Son, 163d n. Brooke av
Lincoln Iron Works, The, 192 Broadway
Mallory Wheeler Co. 64 Reade
Masback, Chas. 1704 Third av
Merrell, H. W. 556 Grand
Miller's Falls Co. 93 Reade
Moore, G. T. 112 Chambers
Morton, Thomas, 65 Elizabeth
Newman, A. G. 1180 Broadway
New York Smelting & Refining Co. The, 22 Burling slip (see add op. Lead Sash Weight Mfrs.)
Norwalk Lock Co. 82 Chambers
Norwich Lock Mfg. Co. 121 Chambers
Osborne & Cheesman Co. 39 Barclay
Parker, Charles Co. The, 97 Chambers
Payson Mfg. Co. 97 Chambers
Peck, Stow & Wilcox Co. 27 Chambers
Plume & Atwood Mfg. Co. 18 Murray
Pruden, W. Edgar, 861 Eighth av
Quinlan, John J. 118 Chambers

Reading Hardware Co. 84 Reade
Roy & Co. 105 Chambers
Russell & Erwin Mfg. Co. 43 to 47 Chambers
Sargent & Co. 37 Chambers
Scoville Mfg. Co. 423 Broome
Smith & Egge Mfg. Co. The, 62 Reade, represented by J. J. Halpin
Standard Window Sash Lift Co. 171 Broadway
Stanley Works, 79 Chambers
Stock, C. A. & Co. 116 Wooster
Terrell & Vroom, 261 W. 27th
Tiebout W. & J. 16 Chambers
Union Mfg. Co. 103 Chambers
United States Foundry Co. 56 Pine
Van Wagoner & Williams Co. 14 Warren
Waterbury Button Co. 48 Howard
Yale & Towne Mfg. Co. 84 & 86 Chambers

BUILDERS' HINGES, BUTTS AND LOCKS.

Bridgeport Brass Co. 19 Murray
Butler Hardware Co. 18 Warren
Chicago Spring Butt Co. 97 Chambers
Eagle Lock Co. 98 Chambers
Gilbert Lock Co. 98 Chambers
Payson Mfg. Co. 97 Chambers
Plume & Atwood Mfg. Co. 18 Murray
Russell & Erwin Mfg. Co. 45 Chambers
Scoville Mfg. Co. 423 Broome
Tiebout, W. & J. 16 Chambers
Union Mfg. Co 103 Chambers
Van Wagoner & Williams, 14 Warren
Yale & Towne Mfr. Co., 84 Chambers

BUILDERS' PULLEYS AND WEIGHTS.

Benedict, J. 548 W. 55th
Butcher, J. H. & Son, 252 Water
Butler Hardware Co. 18 Warren
Jessup, F. W. & Co. 67 Liberty
N. Y. Smelting and Roofing Co. e Jane and Washington (see add)
Pyrible, P. 512-524 W. 41st
The Smith & Egge Mfg. Co. 62 Reade, represented by J. J. Halpin
U. S. Foundry Co. 56 Pine

BUILDERS' AND MASONS' MATERIALS (NEW).

Adamant Mfg. Co. 93 Nassau (see add p. 116)
Allen, S. A. & Co. foot W. 47th
Alsens' Portland Cement (see add p. 121)
Am. Machine Mortar Co. 126 Liberty
Am. Plaster Board Co. 52 New
Atlantic Brick, 150 Broadway
Atlas Cement Co. 143 Liberty
Bailey's Fire-proof Material,
Bell, John & Son, foot 111th

JOHN BELL & SON,

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Foot Lincoln Ave., MOTT HAVEN.

Belknap, B. H. 7 Coenties slip
Bonner Brick Co. 150 Broadway
Boston Terra-Cotta Co. Times bldg, 41 Park row
Bostwick Metal Lath Co. 38 Park row (see add p. 113)
Brand, James, 84 Fulton
Brigham, Henry R. 18 Coenties slip
Brooks, Shoobridge & Co. 7 Bowling Green
Camp, Hugh N. & Sons, 55 Liberty (see add p. 120)
Candee & Kane, main office, foot W. 52d
Candee & Smith, 26th and E. River, 53d and E. River, 135th and Mott Haven, and 381 South (see add p. 140)
Central Expanded Metal Co. 67 Reade (see add p. 114) J. K. Combs, Manager
Consolidated Rock Plaster Co. 44 Broadway
Cumberland Hydraulic Cement Mfg. Co. 67 William
Darrow, R. & Co. foot W. 47th

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DeRache, Leonard, 250 W. 70th (see add p. 133)
Dewolf, D. R. & Co. 108 Broad
Diamond Brick Co. 624 W. 30th
Dickinson Bros. & King, 24 State
Donnelton, J. First av. and 97th
Douglass, Geo. 822 Broadway
Eastern Plaster Board Co., 52 Broad
Englehardt & Mayland, sale agts. The Peerless Brick Co., Phila. Pa. Times bldg, 41 Park row, room 108
Fisher, Erskine W. 18 Broadway, Wells bldg (see add p. 117)
Fleming Cement & Brick Co. 23 Liberty
Foster, Daniel, 624 W. 30th
Gleason, J. 700 Water
Goss & Edsell Co. 360 West
Griffen Enamel Brick Co. 41 Park row, Times bldg
Hammond, W. K. 624 W. 30th
Harris & Co. 54 Pine
Hartt, P. 604 W. 30th
Hendrickson, I. C. 237 Broadway (see add p. 237)
Hewitt, C. B. & Brothers, 48 Beekman
International Rock Plaster Co. 44 Broadway

Isaacs, Gustavus, 22 Bethune
Kanter, Emill, 126 Liberty, sole agt. Stettin, Gristow Portland Cement
King, J. B. & Co. 24 State (see add p. 115)
Lawrence Cement Co. 67 William
Lawrenceville Cement Co. 115 Broadway (see add p. 120)
Lorillard Brick Works Co. 92–94 Liberty
McNamara, J. C. 604 W. 30th
Main, R. T. 626 W. 30th
Malone, Frank, Times bldg, 41 Park row
Manchester & Philbrick, 247 Third av (see add p. 140)
Marcial & Co. 36 Broadway
Marquardt, H. & Co. 21 S. Williams
Martin & Co. 12 Old slip
Mathiasen & Hansen, Perth Amboy, New Jersey (see add p. 133)
Maul, A. 200 E. 37th
Maurer, Henry & Son, 420 W. 23d (see add opposite back inside cover)
Mecker & Carter, 14 E. 23d
Menlo Park Ceramic Works, Jer. T. Smith, prop. Metropolitan Life Ins. bldg. 23d and Madison av (see add p. 131)
Metal Clad Bldg. Co. 1 Broadway
Miller, Clifford L. E. 161st and Jerome av
Morse, F. E. 7 Coenties slip
Murtaugh & McCarthy, 369 Rivington
New York Anderson Pressed Brick Co. Lincoln bldg. 1 Union sq (see add p. 138)
New York Architectural Terra-Cotta Co. Potter bldg, 38 Park row
New York & Rosendale Cement, room 71 Stewart bldg, 280 Broadway, W. C. Morton, sec'y (see add p. 118)
New York Cement Co. 18 Cortlandt
Novelty Wood Works, 759 E. 165th
Parsons, Henry E. 54 Pine
Paye, J. 626 W. 30th
Peck, Wm. J. foot E. 48th
Person, Orrin D. Mohawk bldg. 160 Fifth av. c 21st (see add p. 139)
Perth Amboy Terra-Cotta Co. 160 Broadway
Pope, C. E. & Co., 45 Broadway
Purdy & Pitts, 628 W. 30th
Ranken, John, 173 Broadway
Raritan Hollow & Porous Brick Co. MacIntyre bldg, 874 Broadway
Reverley & Emmons, 604 W. 30th
Ritch, Thomas & Son, 408 Front
Robbins, George B. & Co. 136th and 3d av. (see add p. 122)
Rock Plaster Co. 44 Broadway (see add p. 113)
Rogers, Jas. foot W. 132d
Saylors Portland Cement, Johnson & Wilson, agts. Aldrich court, 45 Broadway
Sayre & Fisher Co. Bennett bldg, Fulton and Nassau (see add p. 139)
Schermerhorn, J. Maus, Times bldg, 41 Park row. American Enameled Brick.
Schmohl, Wm. H. 814 E 14th
Sherman, Henry, 12 Old slip
Shultz, G. S. 313 Eleventh ave
Smith, Jere. T. 23d and Madison av (see add p. 131)
Smith & Dewson, 25 State
Spratt, Jas. K. 293 Broadway
Snyder, Hiram & Co. 229 Broadway. Rosendale Hydraulic and Portland Cement.
Standard Portland Cement Co. 143 Liberty
Staten Island Terra-Cotta Lumber Co. Equitable bldg, 120 Broadway (see add p. 130)
Stone Brick Co. 174 Chambers
Stone and Brick Water-proofing Co. 115 Broadway (see add p. 127)
The Architectural Terra-Cotta Works, Perth Amboy, Times bldg. 41 Park row, room 108
The Gustavino Fire Proof Construction Co. Foot of W. 57th
The Grooved Plaster Slab Manfg. Co. 2 W. 14th
Theile, E. 78 William (see add p. 117)
The Schillinger Co. 413 E. 91st
The Tile Fire Proof Construction Co. Central bldg. 143 Liberty
The Van Fire Proofing Co. Albert Von Den Deisch, 92–94 Liberty (see add opposite back inside cover)
The Manhattan Fire Proof Co. MacIntyre bldg. 874 Broadway (see add p. 132)
Thomas, E. H. 173 Broadway
Tomkins, Calvin, 150 Broadway (see add p. 140)
Union Terra-Cotta Lumber Co. 252 Broadway
United States Building Material Co. 54 Pine
Van Valen, J. R. 284 South
Washburn & Barnes, 626 W. 30th
Weeks, Chas. R. & Bro. 74 Murray
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59–65 Liberty st.

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Christian, Harry L. 251 President, Brooklyn
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Darrow, Rufus, ft. W. 47th, New York
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Denman, R. N. 55 Liberty, New York
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Doody, Daniel F. Hamilton av. Gowanus, Brooklyn
Du Bois, William B. 23 South, New York
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Dunbar, Melzar P. 18 Broadway, New York
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Dyett, Ernest N. 23 Liberty, New York
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Chin, Aug. T. 38 Park row
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De Rache, Leonard, 250 W. 70th (see add p. 133)
Easter Plaster Board Co. 52 Broad
Fleming Cement and Brick Co. 23 Liberty
Gustavino Fire Proof Construction Co. ft. W. 57th
Mathiasen & Hansen, Perth Amboy (see add p. 133)
Maurer, Henry & Son, 420 E. 23d (see add p. opposite back inside cover.)
Meeker & Carter, 14 E. 23d
Menlo Park Ceramic Works, Jer. T. Smith, Prop., Metropolitan Life Insurance bldg. cor. Madison av & 23d (see add p. 131
Mosely Iron Bridge & Roof Co. 5-7 Dey (see add p. 49.)
New York Arch. Terra Cotta Co. Potter bldg. 38 Park row
Perth Amboy Terra Cotta Co. 160 B'way
Rader, G. W. & Co. 611 W. 51st
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Schillinger Fire Proof Cement Asphalt Co. 413 E. 91st
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Tile Grooved Plaster Slab Manfg. Co. 2 W. 14th
The Manhattan Fire Proof Co. MacIntyre bldg. 874 Broadway (see add p. 132.)
Thomas, E. H. 173 Broadway
Tile Fire Proof Construction Co. Central blg, 143 Liberty
Union Terra Cotta Lumber Co. 252 B'way
U. S. Fire Clay Co. 145 Broadway
Van Fire Proofing Co. (Albert Von Den Dreisch), 92-94 Liberty (see add p. opposite back inside cover)
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Vohdin, Philip, S. Boulevard n Tremont av
Votion, A. 115 E. 17th
Vought, N. F. 501-505 E. 70th
Wallace, Wm. 185 E. 76th
Warner, A. L. & C. A. 578 Washington
Weber, Theodore, 166 Mott
Weber & Strom, 2443 Third av (see add p. 75)
Weigler & Auer, 943 Third av
Weill, A. L. 139 E. 113th
White, Potter & Paige, 18 E. 17th
Wiehel, Max J. Tenth av. n W. 160th

Wilson Bros. 638-640 W. 48th

WILSON BROTHERS,

CABINET MAKERS,

ARCHITECTURAL WOOD WORK.

638 & 640 West 48th St., NEW YORK.

HARDWOOD DOORS AND MANTELS.

Wissmann, Henry C. 321-325 E. 64th
Woods, Jenks & Co. 3 Union sq (see add p. 93)
Zink, Gottlieb, 256 W. 28th
Zuener, Joseph H. r 436 W. 32d

CABINET MAKERS' HARDWARE.

Bayer, Geo. 77 W. Houston
Butler Hardware Co. 18 Warren
Chicago Hardware Mfg. Co. 150 Fifth av
Corbin, P. & F. 24 Murray
Feust & Wolf, 6 E. 14th and Morris av. cor. 155th
Foster, Merriam & Co. 225 Canal
Gade, William F. 205 Canal
Hammacher, Schehmer & Co. 209 Bowery and 3-5 Rivington
Judd, H. L. & Co. 87 Chambers and 69 Reade
Kayser, Herman, 210 E. 22d
Kister, Fred. W. 171 Avenue A and 162 Grand
Little, Chas. E. 59 Fulton (see add p. 101)
Ludovici & Heizenroeder, 118 Wooster
Newman, Allen G. 1180 Broadway
N. Y. Furniture Supply Co. 225 Canal
Norris, W. K. New York agent for Niles Locks and Knobs, 150 Fifth av
Russell & Erwin Mfg. Co. 45 Chambers
Sargent & Co. 37 Chambers
Speyer Bros. 101 Bowery
Stock, C. A. & Co. 116 Wooster
The Stanley Rule & Level Co. 29 Chambers
Vanwagoner & Williams Co. 14 Warren
Volckhausen, C. L. & Co. 36 W. 3d
Watson, John W. 119 W. 38th
Weber & Strom, 2443 Third av (see add p. 75)
Whatley, George B. 139 Lewis
White, Van Glahn & Co. 15-16 Chatham sq (see add p. 75)

CABINET MAKERS' MACHINERY.

Donegan & Swift, 11 Murray
Fleming, W. R. & Co. 174 Fulton
Frasse, Peter A. & Co. 95 Fulton
Little, Chas. E. 59 Fulton (see add p. 101)
Manning, Maxwell & Moore, 111-113 Liberty
Patterson, Gottfried & Hunter (Ltd.), 146 Centre
Pryible, P. 512-524 W. 41st
Putnam Machine Co. 115 Liberty
The Garvin Machine Co. Laight and Canal
Wiley & Russell Mfg. Co. 126 Liberty

CABINET WOODS, VENEERS, &c.

Albright, Samuel J. 625 W. 29th
Albro & Co. 200 Lewis (see add p. 95)
Allen Elijah M. 114 Franklin
American Lumber Co. 21st and N. R.
Bonneau, Whitmann & Co. 176 Baxter
Brice, James E. & Co 401 W. 27th
Constantine, Thomas S. 170 Lewis
Copcutt, J. & Co. 440 Washington, 225 Canal and 166 Centre
Daniels & Co. 202 Centre, 138 Baxter and 141 Goerck
Dingee, P. M. & Sons, 202 Lewis
Dreyfus, Emile E. 231 Lewis
Hawes, Willard & Co. 210 Lewis
Hickey, Samuel C. 906 Fifth
Katz, Emanuel, 214 Centre and 146 Baxter
Kern, Julius, 426 E. 92d
Labatut, George P. 151 Centre
Little, C. E. 59 Fulton (see add p. 101)
Mertz, George, Sons, Portchester (see add pp. 98, 99)
Monteath, John H. 135 Centre
Ogden & Co. 411 Washington and 412 Greenwich
Parker, E. C. 157 Eleventh av (see add p. 100)
Pyrogravure Wood Co. 230 E. 37th (see add pp. 96, 97)
Rayner, Julius, Mangin c E. Houston
Rodman, Charles W. 414 Eighth
Uptegrove, William E. & Brother, 465 E. 10th and 820 E. 11th
Walker, George H. 174 Centre
Williams, Ichabod T. 221 Eleventh av
Wilson, J. B. 231 Lewis

CABINET WORK AND FURNITURE.

THE ASSOCIATION OF THE MANUFACTURERS OF THE CITY OF NEW YORK.

President, . . . William Baumgarten.
Vice-President, ... A. J. Roux.
Secretary, . . . Frank X. Radley.
Treasurer. . . . George A. Schastey

Executive Committee.—William Baumgarten, *ex-officio;* Frank X. Radley, *ex-officio;* I. H. Herts, J. W. Harrison, A. Kimball, Jr.

Members.

Brown, George & Clifford, 46 E. 14th
Hayck, F. & Co. 617 Tenth av
Heiter Brothers, 20th st & Fifth av
Herts Brothers, 894 Broadway
Kern, Julius, 415 E. 91st
Kertscher & Co. 530 W. 34th
Kilian Brothers, 157 W. 32d
Kimball, A. & Sons, 7 E. 20th
Kitson, Ellin & Co. ft. W. 25th
Leissner, Edward, 321 Fifth av
Lockmer, Jno. 449 W. 53d
Radley & Greenough, 16 E. 42d
Roux & Co. 312 W. 16th

Rummler, H. B. 367-369 W. 11th
Schastey, George A. & Co., 1681 Broadway
Schattler F. & Son, 533 W. 34th
Schmidt, B. Rider av cor. E. 139th
Stromayer, W. A. 4 E. 9th
Tiedt & Markthaler, 278 Ninth av

CABLE AND TELEGRAPH WIRE MANUFACTURERS.

Bishop Gutta Percha Co. 422 E. 25th
Cooper, Hewitt & Co. 17 Burling slip
Hazard Mfg. Co. 87 Liberty (see add p 55)
International Okonite Co (Ltd.), 13 Park row (see add opposite Key to Ward Atlas)
Roeblings, John A. 117 Liberty
Safety Insulated Wire Co. 234 W. 29th
Washburn & Moen Mfg. Co. 16 Cliff

CABLE RAILROAD CONTRACTORS.

American Cable Railway Co. 99 Nassau
Andrews, F. H. 556 W. 34th
Barry, J. F. & Co. 52 William
Crimmins, J. D., 1043 Third av
Murray, Thos. & Co. 95 Liberty
National Cable Railway, The, 140 Nassau
Paine, W. H. 112 Broadway
Thielman, F. jr. & Co. 520 E. 121st
Vogel Cable Construction Co. 15 Broad

CALCINED PLASTER.

King, J. B. & Co. 21-24 State

J. B. KING & CO.,

Manufacturers of the Celebrated

"DIAMOND BRAND"

PLASTER OF PARIS.

21 to 24 STATE STREET, NEW YORK.

See Advertisement, page 115.

CARPENTERS AND BUILDERS.

Abarno, Joseph, 198 S. Fifth av
Abrahamson, Barnet, 141 Clinton
Ackley, John, 37 John
Adams, Louis, r 217 E. 5th
Adamson, John H., 57 Ann

J. H. ADAMSON,

CARPENTER AND BUILDER,

No. 57 ANN STREET,

Near William Street, NEW YORK.

Fine Interior Fittings in Hard Woods a Specialty. Jobbing Attended to and Estimates Given

Adamson, A. 258 Pearl

A. ADAMSON,

Carpenter and Builder,

258 PEARL STREET,

Near Fulton Street. NEW YORK.

Jobbing Promptly Attended to. Estimates Cheerfully Furnished.

Aichele, Fred. 48 First
Alder, Thomas, 49 Orchard
Alexander, John M. 22 N. Moore
Alexander, R. 107 W. 24th
Allen, A. V. 1232 Lexington av
Allen, Squire W. West End av. n W. 79th
Allison, John W. 253 W. 16th
Anderson, A 213 E. 108th
Anderson, Edmund, 45 Chrystie
Anderson, C. G. 144 W. 128th
Anderson, Jesse, 43 Duane

JESSE ANDERSON,

Carpenter and Builder,

43 DUANE STREET,

Corner Centre, NEW YORK.

Stores and Offices Fitted up. Cabinet Making. Jobbing in all its Branches Neatly and Reasonably Done. All Orders Promptly Attended to.

Anderson, John, 718 E. 144th
Anderson, John, 785 E. 163d
Anderson, John, 259 W. 33d
Anderson, John C. 21 Pearl

J. C. ANDERSON,

CARPENTER AND BUILDER,

21 PEARL ST., NEW YORK,

Corner Whitehall.

Store and Office Work in Plain and Fancy Wood a Specialty. Send for Estimates.

Antonius, Henry, 59 Ridge
Aretander. 395 Willis av
Armstrong, William, 437 W. 42d
Arnold, Frederick 142 Liberty
Arnold, William, 100 Elm

ESTABLISHED 1879.

WILLIAM ARNOLD,

Carpenter and Builder,

No. 100 ELM STREET,

Bet. Canal and Walker Sts., NEW YORK.

Office and Store Work a Specialty.

Arquart, W. A. 247 E. 77th
Ash, A. P. 355 W. 42d
Ayars, Henry C. Pelham av. n Hoffman
Babcock, J. S. 196 William

J. S. BABCOCK,

CARPENTER AND BUILDER.

No. 196 William Street,

Bet. Frankfort and Spruce Sts., NEW YORK.

Jobbing Promptly Attended to.

Baecker, George, 160 Maiden lane
Baird & Gourley, 27 Depeyster

Baker, Hewlett S. 492 E. 138th

H. S. BAKER,

Carpenter and Builder,

492 EAST 138th STREET,

Near Third Avenue, NEW YORK.

Plans and Specifications Furnished. Jobbing Promptly Attended to.

Baker, Samuel H. 2453 Eighth av
Balentine, William r 218 E. 21st
Ball, William H. r 159 Grand
Balzer, George, 1570 Third avenue
Banta, George W. & Co. 825 Sixth av
Bardsley Brothers, 118 Worth
Barrett, Thomas, 552 Columbus av
Barron, Wm. 413 E. 121st
Barron, W. 101 W. 131st
Barry, Edward, 119 W. 29th
Barwick, William A. r 53 King
Baxter, John H. 435 Water
Bedell, William, r 985 Eighth av
Beckman, Lennel F. 492 Hudson
Beissner & Uffeln, 402 E 12th

C. BEISSNER. W. UFFELN.

BEISSNER & UFFELN,

CARPENTERS,

402 EAST 12th STREET,

Near 1st Avenue, NEW YORK

Jobbing Promptly Attended to. Jewelry Work Tables Made to Order.

Bell, J. & Co. 105 W. Broadway
Bennett, J. H. 1013 Third av
Bennett, W. H. 118 Cedar
Berger, C. 237 E 29th
Berner, Theodore, 221 E. 89th
Berrian, Edward, r 354 W. 18th
Berrian, Samuel L. Kingsbridge and W. 162d
Berry, Joseph, Riverdale
Berry, Martin H. 60 Cliff
Bertsch & Schrieber, 38 W. 125th
Besman, A. 118 Hester
Billet, Charles, 1982 W. Farms road
Bissinger, Fred. 642 Cortlandt av
Black, D. 166 E. 128th
Blikslager, Wiardus E. 202 E. 108th
Bloomfield, Joel, 250 Third ave

BERTSCH & SCHRIEBER,

Carpenters & Builders,

38 WEST 125th STREET,

Between 5th and 6th Aves., NEW YORK.

Jobbing Promptly Attended to.

Bogert, Albert G. & Brother, 113 Bank
Boland, R. & Son, 204 E. 64th
Bolton, J. B., 172 E. 110th
Bonamro, Pedro, 91 Park
Bourne, Frank, 840 E. 168th
Boyle, Alex. 139 Forsyth
Brassell, H. 319 E. 74th
Braun, John, 503 E. 18th
Brede, H. r 60 N. Moore
Breen & Nason, 343 E. 59th
Brennan, John T. 861 Eleventh av
Brereton & McIntosh, 149 Eleventh av
Bresnan, Peter J. 417 W. 47th
Brigham, Walter S. Boulevard n W. 81st
Britton, E. L. 615½ Hudson

E. L. BRITTON,

CARPENTER & BUILDER,

615½ HUDSON STREET,

NEW YORK.

Residence, 325 W. 11th Street.

Brockelhurst, John, r 101 Wooster
Brooks, Philip F. r 925 Sixth av
Brophy, William, r 5 Clarke
Brown, F. 415 Cherry
Brown, James, 236 E. 63d
Brown, Jesse, 23 Old slip
Brown, John & Co. 91 W. 103d
Brown, John J. 128 W. 49th

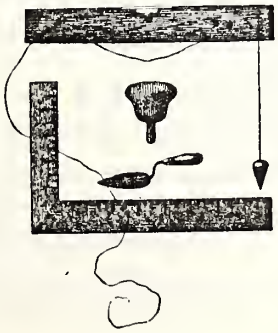
JOHN J. BROWN,

CARPENTER AND BUILDER,

128 WEST 49th STREET,

Bet. 6th and 7th Aves., NEW YORK.

THE PASSAIC QUARRY COMPANY,



New York Office, 38 Park Row,

Rooms 208 to 213. NEW YORK CITY.

Quarries the Famous Belleville Gray & Brown Stone, America's Best Building Stone. Most Enduring. Richest Appearing.

It is Guaranteed Against Concealed Defects.

It never loses its original beauty. Having great resistance to the effects of extreme heat or cold, it is exactly suited to this climate, and does not scale, crumble or crack under stress of climatic influences.

It does not crack, splinter or crumble in conflagration.

It is not necessary to lay it on its natural bed to make it durable.

It never needs recutting or refinishing. Its great resistance to crushing power, its great durability in the most trying climate in the world, and its clean, bright, rich appearance cause it to be prized by the best architects, and to be used by experienced builders. Send for circulars, price-lists and Samples.

Brown, Joseph N. 148 W. 4th
Brown, R. D. 134 W. 23d
Brown, W. S. 60 Thomas
Bruchle, Charles J. 1027 Boston road
Bruggen, Henry, 489 Pearl
Brusch, S. T. 505-507 W. 30th
Buchanan & Son, 4 Benson
Burges, F. 429 Hudson
Burke, John C. 43 Ann
Burns, David, 204 E. 45th
Burns, Patrick G. 79 New Chambers
Butler & Huntley, 19 Front
Byrne, James C. 271 W. 40th
Byrnes, Patrick J. 160 E. 36th

P. J. BYRNES,

Carpenter and Builder,

No. 160 EAST 36th STREET,

Between Third and Lexington Aves., NEW YORK.

Stores and Offices Fitted up a Specialty. Jobbing Personally Attended to. Orders by Mail Promptly Attended to.

Cadien, R. 583 Columbus av
Cahill, Edward, 301 E. 36th
Cairnes, Wm. 372 W. 15th
Cambeis, John, 132 W. 25th
Cameron & Gilchrist, 872 Sixth av
Campbell, Andrew W. 170th n Audubon av
Carr S. & J. 32 Watts
Carroll, James, 596 Greenwich
Carroll, James, 34 Stone
Casey, Abraham L. 100 W. 57th
Casey, Richard H. 100 W. 30th
Cavannagh, John, 35 Elm
Chandler, Benjamin D. 7 Rector
Chartrand, Ledger E., E. 173d n Bathgate av
Chisholm, John, 226 W. 20th
Christie, Henry, 135 W. 24th
Christie, Robert, 150 W. 29th
Christman, George B. 1210 Second av
Christopher, J. B. 116 W. 16th

J. B. CHRISTOPHER,

Successor to
W. A. VANDERHOOF,

CARPENTER AND BUILDER,

116 WEST 16th STREET,

NEW YORK.

Cittrin, Louis, 18 Hester
Clark, John, 1010 Woodruff
Clark, H. & C. 1011 Woodruff
Clark, J. W. & Co. 119 Worth
Claudon, John, 137 Spring
Clements, Andrew, 217 E. 78th
Clements, Charles, jr. r 147 E. 22d
Cobban, G. & J. 162-164 W. 21st

C. & J. COBBAN,

CARPENTERS AND BUILDERS,

162 & 164 WEST 21st STREET,

Corner Seventh Avenue, NEW YORK.

All Kinds of Jobbing Done and Alterations made. Orders by Mail Promptly Attended to.

Coger, John J. 480 Water
Cohen, Joseph, 142 E. Broadway
Cohen, Louis, 403 Ninth av

LOUIS COHEN,

CARPENTER,

403 NINTH AVENUE, 421

Bet. 32d and 33d Sts. Bet. 33d and 34th Sts.

Stores and Offices Fitted up. Store Fronts a Specialty. All Orders Promptly Attended to.

Cohen, Morris, 13 Chrystie
Coldwell & Co. 193 Mercer
Collareta, John, 29 Baxter
Conlan, W. 302 Front
Connor, Peter, 236 Cherry
Connor, Wm. A. 88 Thompson
Conroy, Patrick, 396 E. 63d
Contant, Edmond, r 107 E. 9th
Cook, Ferguson A. 142 W. 38th
Coombe, Charles H. 168 Eldridge
Cooney, James H. 1248 Third av

JAMES H. COONEY,

CARPENTER AND BUILDER,

1248 THIRD AVENUE,

Corner 72d St. (under the Real Estate Office), New York.

Overhauling Offices and Stores a Specialty.

Cooper & Weed, r 223 E. 23d
Corbett, Edward J. 159 E. 54th
Corbin, John J. 214 E. 111th
Corbin, John J. 500 W. 57th
Corbitt, J. 80 Monroe
Cordes, John, 805 Westchester av
Cornelisse, John, 156 W. 29th
Corson, George W. 208 E. 86th
Corwin, Oliver H. 68 Trinity pl
Costenbader, Peter, W. 156th n St. Nicholas av
Coulter, A. H. & Son, 1 Doyers
Courcier, Gustave, 181 Macdougal
Court, Wm. 221 W. 46th
Cox & Cameron, 219 E. 51st
Crandall, John A. 580 Hudson
Cresti, Vincenzo, 172 Worth
Crocheron, Henry S. 73 Christopher
Crockett, H. W. & Son, 1 Worth
Crockett & Weeks, 63 E. 59th

CROCKETT & WEEKS,

Carpenters and Builders,

No. 63 EAST 59th STREET,

Between Madison and Park Aves., NEW YORK.

Interior Work a Specialty. Jobbing Promptly Attended to.

Cronk, John, 105 W. 37th
Crosbie, M. C. 249 Spring
Crouter, A. E. 155 W. Broadway
Crozier, C. W. 346 W. 17th
Culgin, Guy, 703 E. 6th
Cunningham, Daniel, 262 W. 15th
Currie, John F. 1000 Sixth av
Daly, Lawrence, 225 E. 121st
Daniels, William, r 348 W. 36th
Dantzer, Eugene, 178 Thompson
Davidson, David, 1426 Ninth av
Davis, A. 625 Hudson
Davis, George, 319 E. 122d
Davis, H. P. 276 Columbus av
Davis, John W. 149 Wooster

E. DANTZER,

CARPENTER AND BUILDER,

178 THOMPSON STREET,

Near Houston Street, NEW YORK.

Furniture of Every Description Repaired. Jobbing Promptly Attended to.

Dawson & Archer, 132 Park av
Deane, Henry W. 268 W 34th
Deckert, Gottlieb, 1073 Third av
Dehook, Charles, 103 W. 82d
Delamater, William G. 179 E. 75th
Delcher, Frederick, 638 E. 9th
Demarest & Banta, 516 W. 24th
Desoto, J. B & Son, 208 Pearl

J. B. DE SOTO & SON,

CARPENTERS, BUILDERS & STORE FITTERS

208 PEARL ST. COR. FLETCHER,

NEW YORK.

All Kinds of Offices, Stores and Saloons Fitted up at the Shortest Notice.

Dey & Somerville, r 210 E. 123d
Dickie, William R. 2463 Eighth av
Dieterlen, Theodore, 124 E. 129th
Dietsch, Morris S. Boulevard, cor. E. 149th
Dillon, Patrick, r 145 E. 40th
Dinguall & Son, 159 E. 54th
Dititsky, Morris, 316 E. 77th
Dinneen, John J. 913 Sixth av

JOHN J. DINNEEN,

CARPENTER AND BUILDER,

913 SIXTH AVENUE,

Between 51st and 52d Streets, NEW YORK.

Estimates Furnished for all Kinds of Work. Offices and Stores Fitted. Parquet Flooring a Specialty.

Doane & Gowdey, r 126 William
Doane, John, 776 Second av
Dobbs, William H. 128 W. 33d
Dobson, Patrick, 201 E. 35th
Dodge, Ezra C. 705 Third av
Doerfler, Christopher, 519 E. 19th
Donvan, James V. 401 W. 27th
Dooley, J. 123 W. 31st
Downey, Charles, 1771 Park av
Downing, John, 410 W. 34th
Downey, John, 407 W. 33d & 410 W. 34th
Doyle, John B. & Co. 296 Elizabeth
Drummond, R. & Son, 133 W. 53d
Dubois, Julius M. 218 Thompson

JULIUS M. DUBOIS,

CARPENTER AND BUILDER,

218 Thompson St., near Bleecker,

NEW YORK.

Jobbing Promptly Attended to.

Duffy, Lawrence E. 148 W. 4th
Duffy, Terence J. 131 W. 31st
Duncan, Alex. 101 Prince
Dunwoody, Thomas, 319 E. 127th
Durand, Victor, 327 W. 83d
Dusenberry, Woolsey F. 120 W. 40th
Duval & Cummings, 146 E. 84th
Eakins, J. R. 691 Columbus av
Egan, John F. 441 Pleasant av
Egerton, J. E. 2529 Third av
Elgar, James, 335 W. 24th
Ellindge, H. M. 127 Rivington
Elting, Cornelius W. H 1831 Park av
Erikson & Bloom, 406-410 W. 30th
Esdaile & Shott, 1870 Vanderbilt av E.
Ezelins, Henry, 19 E. 1st
Fach, Robert, 406 E. 79th
Fairbanks, Jonathan K. 261 West
Falk, Louis, 771 E. 165th
Falvey, Thomas, 147 E. 81st
Farmer, Richard A. 134 W. 23d
Farrell, John, 440 Eleventh av
Feldman, H. 117 Columbia
Ferguson, Alex. 907 Cortlandt
Ferrandi S. 851 Ninth av
Ferrier, James F. 109 W. 49th

JAMES F. FERRIER,

CARPENTER AND BUILDER,

No. 109 WEST 49th STREET,

NEW YORK.

—;JOBBING.:—

Fessler, Louis, 329 W. 37th
Fielder, John M. 153 E. 113th
Fiels, Joseph, 281 W. 127th
Fink, Charles, r 127 Thompson

CHARLES FINK,

Carpenter and Builder,

127 THOMPSON STREET,

Near Prince Street, NEW YORK.

Jobbing a Specialty.

Finney, Michael F. r 461 W. 26th
Fischel & Margovitz, 55 Norfolk
Fisher, Frank A. 108 W. 32d
Fisher, William C. 125 W. 31st
Fitzpatrick, T. & Son, 126 W. 19th

T. FITZPATRICK & SON,

Carpenters & Builders,

126 WEST 19th STREET,

NEW YORK.

T. FITZPATRICK. J. H. FITZPATRICK.

Fletcher, Geo. H. 69 Gold

GEO. H. FLETCHER,

Carpenter, Contractor & Jobber,

69 GOLD STREET, NEW YORK.

Alterations, Repairs, Cabinet Work, &c., Specially Attended to. Personal Supervision of all Work.

Flettner, Jacob, 128 Columbia
Finn, Edward T. r 100 Christopher
Folin, C. V. & Son, Vanderbilt av, W. cor. E. 178th
Forhan, John, 304 W. 41st

JOHN FORHAN,

Carpenter and Builder,

304 WEST 41st STREET,

Between 8th and 9th Aves., NEW YORK.

Offices and Stores Fitted up. Jobbing Promptly Attended to.

Formhall, James, r 215 W. 28th
Forsyth, Johnson L. 173 Chistopher
Foster, Patrick J. r 19 E. 15th
Fowler, Aaron, 83 Goerck
Fowler & Cromby, 185 Prince

FOWLER & CROMBY,

Carpenters and Builders,

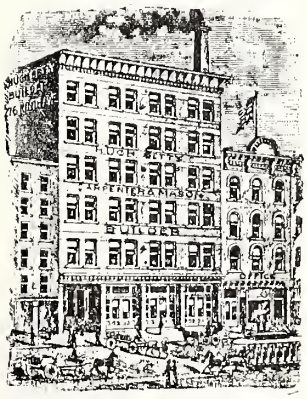
185 Prince Street, corner Sullivan, N. Y.

Parquet Flooring. Special Attention Given to Real Estate and Trust Property.

Frankel, Joseph, 45 Orchard
Frankel, J. & Bro. 47 Orchard
Franklin, Walter H. 56 Washington sq. S.
Franklin, W. H. 201 E. 111th
Friedel, John, 630 E. 138th
Frisbie, Benjamin F. 721 E. 164th
Fryer, John W. 806 Sixth av
Fulton, John, r 394 W. 36th
Furber, Jesse H. 151 Wooster
Gaffney, Thomas, 240 E. 113th
Galbraith, Andrew, 1559 Broadway
Galef, G. 53 Hester
Gangloff, Bernard, 65 Washington
Garcio, Julio, 117 W. 60th
Garland, James J. 10 Peck sl
Garrabrants, Henry, 123 Cedar
Gedney, William H. & Son, 50 W. 67th
Germond, Wellington, 151 W. 30th
Getty, Hugh, 278 Ninth av (see add p. 107)

HUGH GETTY,

BUILDER,



274, 276, 278 & 280 NINTH AVE
OFFICE 274 9TH AVE
·NEW YORK·

See Advertisement, page 107.

Gibb, David F. 805 E. 6th
Gibbins, A. 310 W. 40th
Gibbins, George, 5 Depeyster
Gibson, W. M. 1720 Broadway

W. M. GIBSON,

CARPENTER,

Office, 939 SIXTH AVE.,
Shop, 1720 Broadway.

Specialties, Jobbing Work, Overhauling and Alterations. Estimates Furnished.

Gilbert, Louis, 164 Wooster
Gilbert & Sweeney, 142 Chambers
Giordans, Geo. & Son, 395 Madison av
Glasbrenner, J. 401 E. 19th

J. GLASBRENNER,

Carpenter and Builder,

401 EAST 19th STREET,

NEW YORK.

Goesche, Solomon, 48 Essex
Goldberg, Solomon, 47 Orchard
Golla, Louis, Highbridgeville
Goscher, Solomon, 108 Ridge
Gourley, Adam, 14 Minetta la
Graeff, Charles, 1675 Av. A
Graham, Richard, 267 W. 30th
Gray, Henry, 61 Carmine
Gridley, Edward, 240 W. 27th
Griesinger, John C. r 215 E. 22d
Grissler & Son, 632 E. 17th

GRISSLER & SON,

Successors to
GRISSLER & FAUSEL,

Carpenters & Builders,

632-636 East 17th St., bet. Aves C & D, N. Y.

Telephone, 204 21st St.

Grogan, James, 1411 Railroad av
Grossman, Henry, 252 Delancey
Grunfeld, Ignatz, 40 Columbia
Guggolz, William, 2307 Bathgate av
Guldbrandson, Andrew, 1934 Park av
Gunthers & Lippins, 1160 Third av
Gustavesen, Edward, 490 E. 139th
Haas, H. 1286 Lexington av
Hackett, Edward M. r 334 E. 23d
Hackett, John F. 83 Pine
Hadden, Charles E. 102 S. Fifth av
Hahn, L. 70 Mangin
Haight, Eburn F. 152 Prince
Haley, William H. Riverdale
Hall, J. A. 177 Av. B
Hall, Henry E. 1900 W. Farms rd
Halpin, Charles, 300 E. 66th
Hamilton, James, 219 W. 29th
Hamilton, John L. & Sons, 347 W. 26th
Hamilton, William, r 210 E. 26th
Hancock, Asa S. 20 Monroe
Hand, William H. Railroad av, n. E. 140th
Hankinson, William A. 116 W. 33d
Hanlon & Hayman, 4 White

JOHN L. HAMILTON & SONS,

Builders,

No. 347 WEST 26th STREET,

NEW YORK.

Telephone, 77 18th.

Harding, Lewis, 102 E. 129th & E. 125th, n Lexington av
Hardy, George H. 136 W. 28th
Harper, John, 1226 Madison av
Harper & Vermilyea, 229 W. 50th
Harris, Solomon, r 117 Allen
Harrold & White, 202 W. 30th
Hart, Gustav, 173 Greenwich
Hart, William H. 10 Ninth av
Hartwell & Quirk, 367 Lexington av
Haughey, P. 223 W. 42d
Hauschilt, Dederick, 334 Hudson
Hausen & Christensen, 36 Peck sl
Hausman, Frank, 988 Sixth av
Hausmann & Faeber, 69 W. 56th
Hawes, Joseph H. 1601 W. Farms rd
Hawkins, Charles A. r 118 E. 13th
Hawkins, Frederick, 2228 Seventh av
Haydock, Ephraim, r 456 Hudson
Hayes & Hessells, 357 W. 52d
Healey, James J. 207 E. 105th
Hedenkamp, John D. r 805 E. 6th
Heesch & Sibbert, 131 Beekman
Heil, Alex. 1212 First av
Henderson, Alex. 315 W. 21st

A. HENDERSON,

Carpenter and Builder,

315 WEST 21st STREET,

NEW YORK.

Carpenter Work in General. Estimates Given. Jobbing.

Hendricks, George W. 10 Marion

C. W. HENDRICKS,

Carpenter and Builder,

10 & 12 MARION ST.,

Near Broome, NEW YORK.

Jobbing of Every Description Punctually Attended to.
Stores Fitted up.

Hendry & Utterson, 1000 Sixth av

HENDRY & UTTERSON,

CARPENTERS AND BUILDERS,

1000 SIXTH AVENUE,

Between 56th and 57th Streets, NEW YORK.

Cabinet Work of Every Description a Specialty. Also, Elevators and Dumb Waiters Fixed. Jobbing and all Orders by Mail Promptly Attended to.

Henley, Thomas, 47 Ann

T. HENLEY,

Carpenter & Builder

No. 47 ANN STREET,

Bet. Nassau & William Sts., NEW YORK.

Stores and Offices Fitted up with Neatness and Dispatch.

Henry, Ralph, 408 E. 24th
Hepburn, David, r 547 Broome
Hermann, George, 221 W. 35th
Herman's, Philip, Son, 405 W. 14th
Herrman, Adam, r. 372 Canal
Herrman, Jacob, r. 230 E. Fourth
Hesketh, Charles, 302 W. 144th
Hesketh, James, 141 Wooster
Hetherington, John, 248 E. 46th
Hewitt, William, 204 W. 19th
Hickey, Joseph T. 161 Pearl
Hickey, Patrick J. 106 W. 39th
Hickl, Joseph, 142 Essex
Hill, George, Broadway n. W. 129th
Hill, Isaiah L. 609 Third av
Hilliker, John H. 122 W. 17th
Hinz, John R. 113 Avenue A
Hodge, James. 211 Varrick
Hoe's, James C. Sons, 10 Liberty pl. & 52 Gansevoort
Holland, Thomas, 211 E. 84th
Hollereith, George & Son, 437 E. 114th
Holliday, George, 160 W. 36th
Hood, James, 34 Gold
Hooper, John, 246 Columbus av
Hoopes, Samuel D. 1659 Third av
Hopgood, William D. 934 E. 168th
Hopkins, Abraham R 227 W. 50th
Housner, William H. jr. 2 Cornelia
Houston, Thomas H. 81 W. 54th
Howland & Lein, r. 162 W. 46th
Hubschum, J. 345 E. 74th
Hudson, Thomas, 127 Pitt
Huey, James, r. 119 W. 33d
Hughes, William, r. 115 Wooster
Hughes Brothers, r. 2 W. 22d
Hunt, Richard V. r. 549 Pearl
Hunter Archibald, 111 W. 29th
Hutchison, Marcus D. 101 W. 54th
Hynes, John, r. 851 Second av
Imhof, 142 E. 15th
Inglis, James R. r. 549 Pearl
Jackson, George G. 200 W. 12th

GEO. C. JACKSON,

Carpenter and Builder,

200-202 West 12th STREET,

Corner 7th Avenue, NEW YORK.

Houses, Stores and Offices Fitted up and Overhauled. Jobbing Promptly Attended to.

Jaeger, Henry, 146 Brook av
Jager, Ferdinand, 231 E. 107th
Jager, Fred. 2013 Third ave
Janson Martin & Son, 116 E. 3d
Jardine, Edward, 508 W. 24th
Jelonek, John, 184 Essex
Jennings & Welstead, 453 W. 47th
Jersey & Co. 1777 Broadway
Jessup, H. H. 31 Carmine
Johnson, Augustus, 113 Wooster
Johnson, W. 132 Leonard

Johnson, Bros, 155-157 E. 113th
Jones, John W. 2 Seventh av
Jones, L. W. 134 W. 124th
Jones, Thomas W. 170-172 Front
Joralemon, Walter, 13 Howard
Jorgensen, Charles G. Lane av. n. Barry
Jost, J. 133 E. Seventh
Joyce, Samuel S. 118 Cedar
Joyce, Thomas & Son, 151-153 25th

THOMAS JOYCE & SON,

BUILDERS.

Up-town Shops, 151-153 WEST 25th ST.
Down-town Shops, 72-74 MONROE ST.

NEW YORK.

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Kelley, Samuel D. 9 Fletcher
Kelley & Sinclair, 523 W. 47th
Kelly, Joseph, 132 W. 19th
Kennedy, Donald D. r. 715 E. 167th
Kennedy & Chamberlain, Olin av. n Bronx
Kennelly, Maurice V. 56 Barclay
Kenny, Mitchel L. 158 E. 31st

Established 1860.

M. L. KENNY,

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158 EAST 31st STREET,

Residence, 187 Lexington Ave., *NEW YORK.*

Jobbing Personally Attended to.

Kent & Angus, 5 E. 28th
Kenzle & Laanwe, 259 W. 21st
Keogan & May, r. 159 Hudson
Kerby, John, 1983 Bathgate av
Kerr, Robert, 252 E. 77th
Kilpatrick, E. 42-50 W. 67th
Kimball, E. 462 W. 31st
Kimball, E. 366 Tenth av
Kimsden, J. 318 E. Ninth
Kindmark, Gustave J. 428 Eighth av
King, Garrett D. 26 Attorney
Kilpatrick, William J. 400 Lenox av
Kishen, M. 241 E. 75th
Klappert's C. W. Sons, 328 E. 25th
Klein, John, 323 E. Tenth
Klett, John C. 341 W. 44th
Klingman, Frederick, 154 W. 43d
Kneale, T. A. 123 W. 25th
Knox, John A. Fordham av. n E. 185th
Koch, Charles, 227 E. 105th
Kohl, Gustav, 121 W. 30th
Kotlowsky & Levy, 235 Henry
Kramer, Harris, 202 Madison
Kramer Brothers, 651 E. 158th
Krause, Frank, 87 Pearl
Kreiner, Peter, 257 W. 35th
Kreibitzsch, Frederick E. 194 Third
Kusche, William, 585 E. 148th
Kussrow, Frank, 229 E. 22d
Kynast, R. 205 Allen
Lackey & Bucklee, 225 W. 51st
Laencher, Henry, r. 142 Ludlow
Lahr, Henry, 69 Attorney
Lally, James J. 720 Tremont av
Lambard & Co. 32 Gold
Lane, Joseph, 1834 Ninth av
Lange, Robert, 143 Chrystie
Langill, T. W. 406 W. 17th
Langtry, Patrick K. 206 E. 50th
Lanz, John, 345 E. 59th
Lapine, Mitchell, r. 14 Gansevoort

MITCHELL LA PINE,

CARPENTER AND BUILDER,

14 Gansevoort Street,

Near Hudson Street, NEW YORK.

Jobbing Promptly Attended to.

Latham, Henry, 138 Mott
Lawrence, I. C. 318 W. 16th
Lawrence, John, 2 St. Johns la
Lawson, Peter, 174 E. 74th

PETER LAWSON.

CARPENTER AND BUILDER,

174 EAST 74th STREET,

S. W. Corner Third Avenue, NEW YORK.

JOBBING PROMPTLY ATTENDED TO.

Leaucroft, E. T. 2015 Seventh av
Lee, Samuel, 150 E. 23d
Leeper, James, 52 Wooster
Lehman & Passholz, 186 Lewis
Leipuner, Nathan, 72 Ridge
Leitch, Alex. 130 E. 86th
Lennon, William, F. 124 E. 84th
Leslie, John, 158 Prince
Levin, Abram, 25 Market
Lewis & Jones, 2 W. 14th & 133 W. 17th
Lewis, J. K. 30 Old Slip
Limberland, Henry, 219 E 30th
Linde, Carl, 149 Avenue A
Linder, George, r. 13 Lewis
Link, Henry 1571 Second av

HENRY LINK,

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1571 SECOND AVENUE.

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Store Fronts and Store Fixtures a Specialty. All Orders Promptly Attended to.

Linton, Adam, r. 50 E. 13th

ADAM LINTON,

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Bet. Broadway and University Place (in the Rear),

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Offices and Stores Fitted up. Estimates Given. All Kinds of Jobbing Promptly Attended to.

Lippmann, Abraham, 173 Ludlow
Little, Charles E. 59 Fulton
Livingston, William, 507 W. 35th
Lohse, E. C. 1692 Third av
Logan, James F. 209 Hudson
Loonam, Peter T. 105 E. 31st
Loonie, James, 115 E. 89th
Lowry, J. L. 305 W. 40th
Lucas & Dinneen, 921 Sixth av
Luscia, B. & Co. 55 Park
Luyster, William H. 313 W. 53d
Lynch, James, 59 E. 12th

Lynch, William, r. 157 Wooster
McAfee, Robert, 62 Ann
McArtney, Robert 120 W. 50th
McAuley, William H. 81 E. 52d
McBrearty, Charles E. 1379 Third av
McCauley, J. M. 2309 Third av
McClouskey, Charles, 70 E. 85th
McConologue, Charles V. 1878 Lexington av
McCord, John J. r. 456 Hudson
McCullagh, John H. r. 176 Wooster
McDevitt, William, 113 W. Third
McDonald, Charles, 457 Ninth av
McEnerny & Hilton, 17 Thames

McENERNY & HILTON,

Carpenters, Builders and Cabinet Makers,

17 Thames and 112 Cedar Sts.,

NEW YORK.

McEntyre, John B. & Son, 220 W. 36th
McFarland, Walter, 261 W. 25th
McGinise, John E. 507 E. 76th
McGovern, Thomas, 2 University pl
McGuire, John E. 507 E. 76th
McGuire, Philip J. r 207 Wooster
McGuire & Sloane, 151 W. 28th
McGuirk, John, 121 W. 37th
McIlvain & Davis, r 210 E. 19th
McKee, John, r 339 W. 24th
McKenna, James, r 415 E. 119th
McKenzie & McPherson, 52 E. 41st
McKeon, F. J. 302 W. 33d

F. J. McKEON,

Carpenter & Builder

302 WEST 33d STREET,

Near Eighth Avenue, NEW YORK.

JOBBING PROMPTLY ATTENDED TO.

McLaughlin, John, 213 E. 35th
McLeod, David & Son, 36 Pearl
McLoughlin, Patrick T. 251 E. 30th
McMillan, Samuel, 327 W. 42d
McMorris, James, 117th and Seventh av

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McNally, E. 1239 Third av
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McRae & Tape, 203 E. 58th

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CABINET AND OFFICE WORK IN ALL BRANCHES.

McQuade, Matthew, Kingsbridge rd. n. W. 210th
McSkimin, Samuel, 154 E. 23d
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McQUIEN & CO.,

Carpenters & Builders,

39 & 53 GREAT JONES ST., N. Y.

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Fairs and Exposition Work a Specialty. Estimates Given on all Kinds of Carpenter Work for Public Demonstrations.

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Macbeth, Robert, 116 W. 18th
Macgregor, Robert, 148 W. 19th
Mackenzie, George, 233 W. 30th

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CARPENTER AND BUILDER,

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Between 7th and 8th Aves., NEW YORK.

Jobbing Promptly Attended to.

Mackey, Oscar T. 237 W. 50th
Mackie, Thomas, 201 W. 45th
Magrath & O'Brien, r 74 Irving pl
Maher, John, 128 Greenwich av
Mahoney Bros. 52 New Bowery
Maibach, Balthasar, 177 E. Third
Manning, C. 214 Mercer
Manning, Cornelius, 46 W. Third
Mansfield, Mortimer, 403 W. 14th
Manson, Donald A. 53 New and 9 Coenties slip

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Office and Banking House Work and Cabinet Fixtures. Jobbing and Repairing.

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Marchbank, R. 200 E. 103d
Marthaler & Cosine, 243 W. 57th
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Martin, William G. r 172 E. 112th
May, Charles A. 309 W. 125th
Mazeau, John, r 209½ Wooster
Mazza, Peter, r 10 Dominick
Mechler, Joseph, r 906 Second av
Mehram, F. 230 E. 80th
Meier, Frederick, 565 Third av
Menton & Tower, 183 W. Boulevard
Merrisch, H. 235 E. 34th
Mertens, Herman, 149 Mulberry
Metz, Otto, 333 E. 27th
Meyer, Henry, 433 Hudson
Micheuls, L. J. 886 Third av
Miller, Erastus H. 6 Gansevoort
Miller, James C. 239 W. 50th
Miller, William S. 141 E. 40th
Millheiser, Joseph, r 91 Avenue C
Miner, John D. 53 Fulton
Mitchell, Charles, r 176 Wooster
Mitchell, Donald, 155 E. 44th
Mitchell, James E. r 334 W. 24th

Mitcheler, Adam, 142 W. 63d
Monk & Gillies, 92 Eighth av. and 239 W. 18th
Moore, John F. 425 W. 50th
Moore, John T. 154 E. 35th
Moran, John, 118 E. 41st
Moran, John, 202 E. 45th
Moran, Michael, 119 W. 24th
Moray, Oliver B. 176 E. 82d
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MORGAN'S
CARPENTER & PATTERN SHOP,
2578-80 THIRD AVENUE,
Near 139th Street.
Patterns Made, Altered and Repaired in Plaster, Wood or Metal.

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Morrow, James H. 209 E. 78th
Morton, Lars A. 6 Sullivan
Mouns, John B. r 158 Greenwich
Muirhead, William R. 161 Washington
Mulholland, James, 536 W. 41st
Muller, Jacob, 1218 Third av
Muller, John H. 197 Forsyth
Mulligan, George, 33 E. 32d
Munch & Eberhard, 307 E. 115th
Murphy, John, 202 E. 43d
Murphy Bros. 72 E. 84th
Murray, John W. 6 Clarkson
Murray & Hill, 439 W. 42d
Myer, Peter P. 507 W. 46th
Nagel, George, 2750 Eighth av
Naughton, James J. 116 W. 28th
Naunan, Henry, 128 E. 87th
Netherton, Frederick H. 1907 Park av
Neuhaus, Chas. A. 305 E. 80th

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No. 305 East 80th Street,
Near Second Ave., NEW YORK.
Jobbing Promptly Attended to. Ice Boxes Made to Order.

Newbery, George G. 374 Columbus av
Newman, Henry J. 2474 Eighth av
Newman, Jesse, 247 W. 12th
Newman, Michael J. 208 W. 17th
Noblett, Stephen, 120 W. 25th

STEPHEN NOBLETT,
Carpenter and Builder,
120 WEST 25th STREET,
Near Sixth Avenue. NEW YORK.
Jobbing Promptly Attended to.

Norman, William, Kingsbridge rd. n. W. 206th
North, Morris, 68 Essex
Obermeier, Anthony J. 236 W. 41st
O'Connell, Daniel, 1847 Fordham av
O'Connor, John, 325 E. 108th
O'Connor, John A. 205 E. 76th

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CARPENTER AND BUILDER,
205 EAST 76th STREET, N. Y.
STORES, OFFICES & BANKS FITTED UP.
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O'Connor, M. J. 138 E. 52d
O'Connor, Patrick, 237 Wooster
O'Connor, William, 242 E. 45th
Odell, Abram, 790 Greenwich
Ogilvie & Stephen, 103 W. 95th
O'Gorman, William 300 Willis av
O'Keeffe & Fitzpatrick, 33 Ferry
Oleese, P. 81 Baxter
Osborn & Bailey, 1929 Washington av
Otte, Ernest, r 212 E. Sixth
Outcalt, Peter I. V. 127 W. 33d
Outwater, Edwin, 525 W. 23d

EDWIN OUTWATER,
Carpenter and Builder,
No. 525 WEST 23d STREET,
NEW YORK.
Telephone, 862 18th.

Overhulse, Benjamin F. 179 E. 77th
Overington, Thomas, 121 E. 129th
Owens, James, 242 E. 84th
Palermo, Antonio, r 174 Thompson
Palmer, George J. 301 W. 130th
Pardee & Gleeson, 204 E. 28th
Parker, Eugene, 115 E. 89th
Pasternack, Herman, 259 Stanton
Patterson, George W. 122 W. 36th
Payman, Harris, 13 Essex
Peaston, Peter, 372 Water
Peploe & Peakin, 1075 Third av
Perry, Charles Jay, Gerard av. n E. 161st
Pettit, James, 86 Lawrence
Petty, James M. 168 Eldridge
Pfuhler, George, 458 E. Houston
Phillips, Geo. W. 560 W. 23d (see add p. 101)
Phillips, Wm. 239 Ave. A
Piazzy, Joseph D. 133 S. Fifth av
Pihlman, Gustav I. 219 William
Piper, William H. Spuyten Duyvil
Poole, James E. 105 E. 124th

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Carpenter and Builder,
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Repairing a Specialty

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Porter, I. & Son, 20 Dover
Power, John, 11 Roosevelt
Powers, Henry D. 142 E. 25th
Powers, John F. 21 Thames
Preisman, Leopold, 162 Ridge
Price, James, 169 E. 65th
Price, Samuel, Tremont av. n Fordham av
Priestley, Thomas S. 3 Hudson
Rae, Louis, 56 Hester
Rae, Thomas, 405 W. 24th

Raiman & Ackerman, 200 E. 29th
Randall & Fuller, 152 Prince
Rau, John, Boulevard n W. 109th
Ravekes, Albert, 164 Mulberry
Reed, Nelson J. 106 W. 39th
Regan, John, 181 E. 119th
Reilly, James, 197 E. 100th
Reilly, Patrick W. 51 E. 63d
Rennie, John, 71 Maiden la
Reville, N. J. 425 E. 61st
Richards, Edward, 621 Eleventh av
Ricker, Henry, 41 Marion
Rigny, Napoleon J. 153 S. Fifth av
Roberts, James S. 168 E. 112th
Roberts, John B. 245 Broadway
Roberts, Peter, 160 W. Broadway
Roberts, R. 238 E. 85th
Robertson, Donald, 182 E. 119th
Robinson, James M. B. 100 E 126th, 685 E. 143d
Robinson, Jesse, 201 W. 42d
Rodler, Albert, 232 William
Roedel, Christian F. 391 E. 4th
Rogers, William, 29 Pell
Rosenbaum & Grass, 228 Stanton
Rosenberg, Jacob, 1592 First av
Rosenquist, August, 189 No. Boulevard

AUG. ROSENQUIST,
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No. 189 BOULEVARD,
Between 68th and 69th Sts., NEW YORK.
151 W. 68th Street, N. Y.
Stores and Offices Fitted up. Jobbing of all Descriptions Promptly Attended to.

Ross, William W. 158th n Tenth av
Ross, Chas. 116 Cedar
Roth John, 9 Prince
Rupprecht, William, r. 506 W. 29th
Rusk, Thomas, r. 207 W. 20th
Russell, Edward W. 63 Bleecker

EDWARD W. RUSSELL,
Carpenter and Builder,
63 BLEECKER STREET,
Next to Bleecker Bank, NEW YORK.

Ryan, Bartholomew, 224 E. 9th
Ryan, Peter J. 307 W. 44th

PETER J. RYAN,
CARPENTER AND BUILDER,
307 WEST 44th STREET, N. Y.
Stores and Offices Fitted up. Jobbing of Every Description. Estimates Cheerfully Furnished. Orders by Mail Promptly Attended to.

Ryan, Philip A. 21 Gay
Ryder, James, 327 Delancey
Sackett, Frederick, 16 Gouverneur
Sanders, C. W. 361 W. 29th
Sauter, Geo. W. 156th n Tenth av
Schaedler, William, 187 Franklin
Schaefer, John V. 157 E. 88th
Schamberger, 238 E. 59th
Schatz, Hyman, 3 Orchard
Schell, Charles, r. 66 1st
Schiffer, Henry & Co. 159 E. 88th
Schinkowsky Brothers, r. 15 Leonard
Schmeckenbecher's, M. Sons, 355 E. 58th
Schmitt, Wm. 226 E. 59th
Schmert, H. 622 E. 13th
Schoerer, F. 540 E. 6th
Scholz, John, 230 Elizabeth
Schoonmaker, George, r. 123 W. 49th
Schorer, Frank A. r. 540 Sixth
Schott, Henry, 221 Third av
Schukraft, Charles T. 168 Eldridge
Schulz, Eugene, 214 E. 6th
Schulz, Frederick, 270 Av. A
Schumacher, Peter G. 658 E. 154th
Schuster, Jacob, 449 W. 38th
Schuyler, Cornelius B. Webster av. n Kingsbridge rd
Schuyler, Philip, 69½ Watts

PHILIP SCHUYLER,
CARPENTER AND BUILDER,
69½ WATTS STREET,
Residence, 426 West 44th St., NEW YORK.
Jobbing Promptly Attended to.

Schwab, Frederick, Tinton av c. E. 151st
Schwoebel, William, 2 Seventh st. pl
Scott, John, 60 University pl
Scott, J. & Son, 748 E. 167th
Scowcroft, B. Boulevard n W. 93d
Scrafford, Frederick A. 249 W. 28th
Scully, John C. 154 Duane
Seaward, William M. 459 Seventh av
Sedore, Conrad, 79 Charlton
Seeger, Chas. A. 506 Sixth av
Segrave, James S. 333 W. 52d
Seidel, George, 251 Av. A
Seiford, Charles, 261 W. 4th
Seward, George, 35th st & Seventh av
Sexton, William, 143 E. 39th
Shane, Abraham, 2 Montgomery
Sheridan & Byrne, 145 E. 67th
Sheridan, J. & L. r. 482 Pearl
Sherwood, William M. 36 Lexington av
Shipman, James, 102 E. 129th
Shirlaw, James C. r. 68 Crosby
Sibley, Leonard, 94 Vandam
Sieghardt, Ferdinand A. 713 Fifth
Silverstein, Moses, 171 Broome
Simberlund, Henry, r. 219 E. 30th

HENRY SIMBERLUND,
CARPENTER AND BUILDER,
Shop, No. 219 EAST 30th ST.,
NEW YORK.
JOBBING PROMPTLY ATTENDED TO.

Sladeck, William, 618 Ninth av
Smith, David M. 68 Trinity pl
Smith, E. A. 178 E. 116th
Smith, Edward E. 10 Christopher

E. E. SMITH,
Carpenter and Builder,
10 Christopher Street,
Near Jefferson Market, NEW YORK.
Repairing and General Jobbing of all Kinds. Estimates Given.

Smith, Elward, r. 47 Ann, 116 W. 39th
Smith, Havilah M. & Son, 35 N. Moore
Smith, Henry C. 643 Third av
Smith, John, 11 Thompson
Smith, R. C. & Co. E. 169th n. Boston rd
Smyth, Samuel, 405 E. 61st
Snedeker, Michael, 263 West

M. SNEDEKER,

CARPENTER AND BUILDER,

263 WEST STREET,

Corner Vestry Street, NEW YORK.

Sorenson, Edward, 507 W. 27th
Soreson, John, 128 Broad
Soule & Brigham, 350 W. Boulevard
Spader, Chas. 116 S. Fifth av
Spense, John, 131 E. 18th
Springsted & Mockabee 408-410 E. 104th
Sproessig, Charles H. Bristow n. Stebbins av
Staats, William, 504 E. 56th

WILLIAM STAATS,

CARPENTER AND BUILDER.

Stores and Offices Fitted up. Jobbing Promptly Attended to.

SHOP, 504 EAST 56th STREET,
Residence, 143 East 53d St., NEW YORK.

Stabile, D. 408 E. 113th
Stanton, George, 119 Worth
Steel, Alexander, r. 56 Grove
Steffen, Peter F. r. 59 First
Steinhilber, Adam, 215 Av. A

ADAM STEINHILBER,

Carpenter and Builder,

215 Avenue A, New York.

Store Fronts, Office Fixtures, Elevators and Ice Boxes for Lager Beer Saloons. Estimates Carefully Given of any kind of Carpenter work. Jobbing promptly Attended to.

Sternkopf, William N. 96 Suffolk
Stevens, G. W. 350 Third av
Stevens, Noah B. 246 E. 118th
Stewart, C. 107 W. 29th
Stewart, James, 93 Duane, 247 W. 47th
Stichler, Edward, 551 E. 154th
Stickley, Joseph, 705 Third av
Stryker, Alexander, 811 Seventh av
Stubbs, William S. 239 Centre
Studley, James H. 119 W. 30th
Sturm, A. 731 Third av
Suhr, Ilpern, 501 E. 16th

ILPERN SUHR,

CARPENTER AND BUILDER,

501 EAST 16th STREET,

Corner Avenue A, NEW YORK.

SHOP, 529 EAST 16th STREET.

Jobbing of all Kinds Promptly Attended to.

Sullivan, John, Kingsbridge rd n. W. 171st
Sullivan, P. 392 Broome
Swansun, John, 144 Varick
Sweeny, John, 252 Av. A
Switzer, Jos. W. & Co. 21 Gold
Tape, Geo. W. 201 E. 62d
Tanssig, G. F. & Co. 257 W. 27th
Taylor Brothers, 103 W. 84th
Taylor, E. L. 67th st & Eighth av
Taylor, John C. 26 Attorney
Taylor, C. E. 1628 Broadway
Telfer, George, 58 Harrison
Tennant, John H. jr. 4 Seventh av
Theis & Folz, r. 511 Fifth
Thomas, Isaac, 138 W. 38th
Thomas, James M. 257 W. 27th
Thomas & Post, 100 Elm
Thorn, Francis H. Riverdale
Tietjen, Henry, 8 Lafayette pl
Tomlinson, Thomas, 89 Walker
Tompkins, George W. Highbridge rd n. Kingsbridge rd
Townsend, James, 2230 Seventh

JAMES TOWNSEND,

Carpenter and Builder,

Stores and Offices Fitted up. Jobbing Attended to at Short Notice.

2230 SEVENTH AVENUE, NEW YORK.

Residence, 2208 Seventh Ave.

Townsend, Ralph, 200 W. 101st
Traenkle, Sylvester, 406 E. 59th
Trapp, N. H. 221 E. 107th
Twomey, Cornelius, 300 E. 59th
Tyrrel, Charles A. 76 Wooster
Tyrrel, Daniel, 76 Wooster
Tyrrel, William, 76 Wooster
Umberfield, C. N. 159 E. 54th

C. N. UMBERFIELD,

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159 EAST 54th STREET,

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Vaneamp & Brenan, 259 W. 14th
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Vandewater, S. T. 215 E. 64th
Vandoorn, Wallace, 1 W. 44th
Vanhoesen, Benjamin, 4 Broadway al

B. VAN HOESEN,

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Vetere, V. 418 E. 113th
Vigorelli, Charles, 163 Worth
Voorhis, Albert P. 249 W. 28th
Vreeland, Charles W. 2500 Tiebout av
Waddell, James, 811 Park av
Walker, William H. r 108 Leroy
Wallace, William, 244 Canal

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Walsh, Patrick, 420 W. 25th
Walsh, Patrick J. 48 E. 28th
Walsh, Richard L. 12 Dutch
Walter, Smith, 114 Maiden lane
Walther, Bartholomew, 230 E. 125th
Wallis, J. M. 230 E. 34th
Ward, Noah D. 229 Division
Warke, Robert L. 21 Gay
Warren, William, 214 E. 119th
Waters, Charles W. 1165 Ogden av
Watkins Bros. 610 Third av
Watts, Robert, 175 W. Boulevard
Watts, William, 50 E. 13th

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Webster, Jared P. 69th and W. Boulevard
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Weinkauf, Anthony, 140 W. Fourth
Weinstein, B. 73 Attorney
Weinstein, B. 299 E. 3d
Weismantel, Charles, 190 Hester
Weiss, M. 406 E. 59th
Weissberger, Moritz R. 112 Sheriff
Wendt, Charles, 177 Greenwich
Werner, Theodore, 221 E. 89th
Werner, W. 1018 Third av
West, Robert, 174 Canal
Westervelt, A. L. 2 W. 129th
Westing, Chas. 249 W. 28th

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CARPENTER AND BUILDER,

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White, Charles W. 53 E. 11th
White, John, 26th and Seventh av
White, John J. Boulevard n W. 74th and 235 W. 80th
Whitenack, John O. 3 York

J. ODELL WHITENACK,

CARPENTER AND BUILDER,

No. 3 YORK STREET,

NEW YORK.

Wilken, Christian F. 51 Ann
Wilkens, Henry H. 207 E. 51st
Wilkes, Peter, r 316 E. 59th
Williams, John, 15 E. 13th
Williams & Jones, r 154 E. 27th
Willis, William O. 54 Columbia
Wilson A. 152 E. 23d
Wilson, John B. 11 E. 10th
Winterhouse & Drumm, 6 Broadway alley
Wintersdorf, John, 154 Delancey
Winterson, Samuel S. Boulevard e. W. 104th
Wirsing, Joseph S. 277 E. 3d
Wiswell & O'Brien, 3390 Third av
Witham, Edwin A. r 107 Greenwich
Wolfer, Stephen J. r 750 Second av

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Wnytack, Adolph J. Stebbins av. c Home
Yeaton & Glynn, 59 Rose
Yeoman, John, 1840 Park av
Yeoman, J. 65 E. 126th
Young, Charles, 429 Sixth
Young, Joshua, 52 Marion
Ziegler, C. 210 E. 51st
Ziegler, S. & Son, 52d and Third av
Zimmerman & Goldberg, 50 Attorney
Zucker, David, 112 Spring

CARPENTERS' TOOL MFRS.

Doscher, Martin, 88 Chambers
Harron, John W. 208 Bleecker
Humason & Beckley Mfg. Co. 80 Chambers
Lawrence Curry Comb Co 204 E. 43d
Miller's Falls Co. 93 Reade
Russell & Erwin Mfg. Co. 43 to 47 Chambers
Southington Cutlery Co. 98 Chambers
Stanley Rule and Level Co. 29 Chambers

CARPET MACHINERY.

Howard Foundry & Mach. Works, 114 Liberty (see add p. 19)

CARRIAGE ELEVATORS.

Maynard, John Q. 114 Liberty (see add p. 20)
Morse, Williams & Co. 108 Liberty (see add p. 11)
Springfield Foundry Co. Springfield, Mass (see add p. 16)

CARVED MOULDINGS AND DECORATIONS, SOLID WOOD AND VENEERS.

Pyrogravure Wood Co. 230 E. 37th

L. G. Gloeckner, Treasurer. Geo Staber, Secretary.

PYROGRAVURE WOOD CO.,
230 East 37th Street, New York.
MANUFACTURERS OF
Carved Mouldings and Decorative Solid Wood and Veneers. (U. S. Patent).
See Advertisement, pages 96-97.

CAST IRON FITTINGS, STEAM, GAS AND WATER PIPE DEALERS.

Backus, Peter & Son, 133-135 W. 25th (see add p. 64)
Blackmore Heating Co. 88 John (see add p. 66)
Denny Bros. 36 Park pl
Detroit Heating & Lighting Co. 126 Liberty (see add p. 144 and back cover)
Greene, Tweed & Co. 83 Chambers (see add p. 53)
McShane, Henry, Mfg. Co. 625-627 Sixth av (see add p. 108)
Roberts, Geo. I & Bros. 471-473 Fourth av (see add pp. 62, 63)
Sanitas Mfg. Co. 54 Gold
Springfield Foundry Co. Springfield, Mass. (see add p. 16)

CAST IRON FITTINGS, STEAM, GAS AND WATER PIPE MANUFACTURERS.

Blackmore Heating Co. 88 John (see add p. 66)
Cassidy & Adler, 534 W. 56th
Dame & Townsend Co. 82 Fulton
Detroit Heating & Lighting Co. 126 Liberty (see add p. 144 and back cover)
Eaton, Cole & Burham, 82 Fulton
Greene, Tweed & Co. 83 Chambers (see add p. 53)
Jamer, Jacob, 84 John
Keating, Edward F. 75 John
McMann & Bro. T. R 56 Gold
McNab & Harlin Mfg. Co. 56 John
McShane, Henry, Mfg. Co. 625-627 Sixth av (see add p 108)
Nason Mfg Co. The, 71 Beekman
Oil Well Supply Co. 32 Cortlandt
Pancoast & Rogers, 28 Platt
Simmons, John, Co. 110 Centre
Spiral Weld Tube Co. 43 John
Walworth Mfg. Co. 54 Gold
Wells Rustless Iron Co. 52 John
Wells & Coutan Co. (Ltd.), 78 John

CAST IRON WARE, PLUMBERS' SUPPLIES.

Abendroth Bros. 111 Beekman
Ainslee, Geo. H. 58 Warren
Blakslee, E. G. Mfg. Co. The, 76 Centre
Blessing, Geo. A. & Co. 290 Pearl (see add p. 110)

Carr, A. & U. S. Co. 138 Centre
Cassidy & Adler, 535 W. 55th & 490 Sixth av
Gould's Mfg. Co. 66 Barclay
Haydenville Mfg. Co. The, 73 Beekman
Hoffman, C. jr. 83 Maiden Lane
Huber, Henry & Co. 81 Beekman (see add p. 110)
Janes & Kirtland, 112 Beekman
McNab & Harlin Mfg. Co. 56 John
McShane, Henry, Mfg. Co. 625–627 Sixth av (see add p. 108)
Mott, J. L. Iron Works, 88 Beekman
Roberts, Geo. I. & Bros. 471–473 Fourth av (see add pp. 62 and 63)
Rose, Clarence H. 242 Water
Rumsey & Co. 107 Liberty
Sanitas Mfg. Co. 54 Gold
Savery's, John, Son, 97 Beekman
Simmons, John, Co. 110 Centre

CATHEDRAL GLASS.

Morris, Theo. W. & Co. 438 Canal and 14 Vestry (see add p. 89)

CEILINGS AND WALLS, STEREO RELIEF DECORATIONS.

Bouche, Henry L. 874 Broadway (see add p. 93)
The Stereo Relief Mfg. Co. 229–233 E. 41st

CEILINGS, ARCHITECTURAL WOOD AND VENEER.

Ellin, Kitson & Co ft. W. 25th
Gardnew Co. 643 W. 48th
Kertscher & Co. 528–532 W. 24th
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PYROGRAVURE WOOD CO.,
230 East 37th Street, New York.
MANUFACTURERS OF
Carved Mouldings and Decorative Solid Wood and Veneers. (U. S. Patent)
See Advertisement, pages 96-97.

CEILINGS AND SIDINGS.

Dale Tile Mfg. Co. (Ltd.), 398 Broome (see add p. 49)
Kertscher & Co. 528 to 532 W. 24th
Marshall Lefferts & Co. 54 Cliff
McCallum, J. & Co. 62 Vesey
Moseley Iron Bridge & Roof Co. 5–7 Dey (see add p. 49)
Moorehead, McClane Co. 81 John
New York Iron Roofing & Corrugating Co. 29 Broadway (see add p. 51)

CEILINGS AND WALLS, DECORATIONS.

Beck, Fred & Co. cor. Seventh av. and 29th and 30th and Fifth av
Becker & Co. 330 W. 36th
Bouche, Henry L. 874 Broadway (see add p. 93)
Ellin, Kitson & Co ft. W. 25th
Hall, J. T. Mohawk Building, 160 Fifth av. cor. 21st
The Stereo Relief Mfg. Co. 229–233 E. 41st

CEILINGS, EMBOSSED AND PANELED METAL.

Lyles & Mills, 231 William
McCallum, John & Co. 426 Washington
Northrop, Henry S 30 Rose
The Prince & Kinkel Iron Works, 729–731 First av (see add p. 51)

CEILINGS, FIRE PROOF.

Althause, S. B. & Co. 101–103 Thompson (see add p. 27)
De Rache, Leonard, 250 W. 70th (see add p. 133)
Grooved Plaster Slab Mfg. Co. 2 W. 14th
Maurer, Henry & Son, 420 E. 23d (see add next to back inside cover)
Moseley Iron Bridge & Roofing Co. 5 7 Dey (see add p. 49)
Robbins, Geo. B. & Co. 136th and Third av (see add p. 122)
The Manhattan Fire Proofing Co. MacIntyre Building, 874 Broadway (see add p. 132)
The New York Iron Roofing & Corrugating Co. 29 Broadway (see add p. 51)

CEILINGS, FIRE PROOF TERRA COTTA PLASTER BLOCKS.

De Rache, Leonard, 250 W. 70th

LEONARD De RACHE,
Ex-Manager and Successor to
The Union Fire-Proof Company,
Manufacturer of Plaster Blocks.
Office and Factory,
West 70th Street, between 10th and 11th Aves., N. Y.
See Advertisement, page 133.

Eastern Plaster Board Co. 52 Broad
Grooved Plaster Slab Mfg. Co. 2 West 14th
Gustavino Fire Proof Construction Co. foot of W. 57th
Maurer, Henry & Son, 420 W. 23d (see add opposite back inside cover)
Meeker & Carter, 14 E. 23d
Raritan Hollow & Porous Brick Co. MacIntyre bldg. 874 Broadway
Robbins, Geo. B. & Co. 136th and Third av (see add p. 122)
The Manhattan Fire Proofing Co. MacIntyre Building, 874 Broadway (see add p. 132)
The Schillinger Fire Proof Cement & Asph. Co. 413 E. 91
The Stereo Relief Mfg Co. 229–233 E. 41st
The Tile Fire Proof Construction Co. Central bldg. 143 Liberty

CEILINGS, ROMAN AND VENETIAN.

Davidson Sons Marble Co. Eleventh av and 27th (see add p. 123)
Herter Bros. Second av and 20th

CEMENT DEALERS.

Alsens' Portland Cement Works, Sinclair & Babson, Central Building, Liberty and West (see add p. 121)
Atlas Cement Co. Central bldg. 143 Liberty
Baetjer & Myerstein, 5 Dey
Brooks, Shoobridge & Co. 7 Bowling Green
Brown, Francis Gordon, 19 Whitehall
Camp, Hugh N. & Son, 55 Liberty (see add p. 120)
Canda & Kane, foot of West 52d
Candee & Smith, foot of East 26th (see add p. 140)
Building (see add p. 117)
Chur, Augustus T. Potter bldg, 38 Park row
Cumberland Hydraulic Cement & Mfg. Co. 67 William
Dickinson Bros. & King, 21-24 State
Fisher, Erskine W. 18 Broadway, Welles bldg
Fleming Cement & Brick Co. 23 Liberty
Hamilton & Gillespie, 240 Front
Johnson & Wilson, Aldrich Court, 45 Broadway
Kanter, Emil, 126 Liberty, Sole Agent for the U. S. Stettin-Gristow Portland Cement
Keystone Cement Co. 71 Broadway
King, J. B. & Co. 21-24 State (see add p. 115)
Lawrence Cement Co. 67 William
Lawrenceville Cement Co. 115 Broadway (see add p. 120)
Manchester & Philbrick, 2407 Third av and foot of E. 91st (see add p. 140)
Marcial & Co. 36 Broadway
Martin & Co. E. 137th cor. Madison av, and 12 Old Slip
Meeker & Carter, 14 E. 23d
Merchant, Stephen L. 15 State
Moens Asphaltic Cement Co. 103 Maiden Lane
Newark & Rosendale Cement Co. 15 Cortlandt
New York Cement Co. 18 Cortlandt
New York and Rosendale Cement Co., Stewart bldg, room 71, William C. Morton, Sec. (see add p. 118)
New York Lime and Cement Co. 150 Broadway
Noe, George T. Equitable bldg, 120 Broadway
Norton, Frederick O. 92 Broadway
Reardon, Dennis, 115 West
Sinclair & Babson, Central bldg, 143 Liberty
Snyder, Hiram & Co. Rosendale Hydraulic & Portland Cements, 229 Broadway (see add p. 119)
Spencer, Charles H. Equitable bldg, 120 Broadway
Standard Asphalt Co. 54 Wall
Stevens, Charles J. 7 Bowling Green
The Frank E. Morse Co. 7 Counties Slip
The Standard Portland Cement Co. Central bldg. 143 Liberty
Thiele, E. 78 William, sole agent for Dyckerhoff Portland Cement (see add p. 117)
Tomkins, Calvin, 150 Broadway (see add p. 140)
Tucker, William G. foot of E. 116th
U. S Cement Co. 115 Broadway
Weeks, Charles R. & Brother, 74 Murray
Wise, Nathaniel, foot of 79th and E. R.

CEMENT IMPORTERS.

Alsens' Portland Cement Works, Sinclair & Babson, Central bldg, cor. Liberty and West (see add p. 121)
Baetjer & Myerstein, 5 Dey, Importers and Sole Agents of the Hanover Portland Cement
Brooks, Shoobridge & Co. 7 Bowling Green, Portland Cement
Darrow, Rufus, foot W. 47th
Dickinson Bros. & King, English and German Portland Cements, 21-24 State
Fisher, W. E. 18 Broadway, Welles bldg, Sole Agent and Importer U. S. and Canada Anchor Brand

W. ERSKINE FISHER,

Asphalt Importer,

No. 18 BROADWAY,

NEW YORK.

See Advertisement, page 117

Fleming Cement and Brick Co. 23 Liberty
Hammill & Gillespie, 240 Front
Harris & Co. 54 Pine

Johnson & Wilson, Saylors Portland Cement, Aldrich Court, 45 Broadway
Kanter, E. 126 Liberty

Stettin-Gristow Portland Cement.

Official test for tensile strength: 7 days **654 POUNDS** to the square inch.
This celebrated Cement is of excellent quality, color, extraordinary strength and fineness, and is without exception superior to any other Portland Cement manufactured. It is acknowledged by all who have used it to be the best and most reliable Portland Cement in existence, which accounts for its unparalleled success here and in Europe.

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126 LIBERTY ST., N. Y.

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Norton, Frederick O. 92 Broadway
Sinclair & Babson, Central bldg, 143 Liberty (see add p. 121)
Spencer, Chas. H. Equitable bldg, 120 B'way
Snyder, Hiram & Co. Rosendale Hydraulic & Portland Cements, 229 Broadway (see add p. 119)
Thiele, E. 78 William

EMILE THIELE,
Sole Agent for
Dyckerhoff Portland Cement,
AND
Star Portland Cement Works.
No. 78 WILLIAM STREET.
See Advertisement, page 117.

Tomkins, Calvin, 150 Broadway (see add p. 140)
Weeks, Charles & Brother, 74 Murray

CEMENT MANUFACTURERS.

Atlas Cement Co. Central bldg, 143 Liberty
Camp, Hugh N. & Sons, 55 Liberty

HUGH N. CAMP & SONS,
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Owners and Operators of the Well Known and Well Established Allen Cement Works, Siegfried, Pa. Capacity, 1,000 Barrels per Day. Hugh N. Camp & Sons Improved Valley Cement, Absolutely Hydraulic.
See Advertisement, page 120

Cumberland Hydraulic Cement and Mfg. Co. 67 William
Dickinson, Bros. & King, 21-24 State
King, J. B. & Co. 21-24 State

J. B. KING & CO.,
Manufacturers of the Celebrated
"DIAMOND BRAND"
PLASTER OF PARIS.
21 to 24 STATE STREET, NEW YORK.
See Advertisement, page 115.

Lawrence Cement Co. 67 William
Lawrenceville Cement Co. 115 Broadway

LAWRENCEVILLE CEMENT CO.,
Manufacturers of
"Rosendale Hydraulic Cement"
No. 115 BROADWAY,
Room 83. **NEW YORK.**
See Advertisement, page 120.

Newark and Rosendale Cement Co. 15 Cortlandt
New York Cement Co. 18 Cortlandt
N. Y. & Rosendale Cement Co. 280 Broadway

New York & Rosendale Cement Co.
Rosendale Hydraulic Cement
Office, 280 BROADWAY, Room 71,
Telephone, 2516 Cortlandt. NEW YORK.
WM. C. MORTON, Secretary.
See Advertisement, page 118.

Snyder, Hiram & Co., Rosendale Hydraulic & Portland Cements, 229 Broadway

HIRAM SNYDER & CO.,
Rosendale Hydraulic & Portland Cements,
LIME, PLASTER, &c.
No. 229 Broadway, NEW YORK.
Telephone Call, 4269 A Cortlandt.
See Advertisement, page 119.

The Standard Portland Cement Co. Central bldg, 143 Liberty
Tomkins, Calvin. 150 B'way (see add p. 140)
U. S. Cement Co. 115 Broadway

CHAIN, SASH, MANUFACTURERS.

Butler Hardware Co. 18 Warren
Moore & Barnes Mfg. Co. 112 Chambers
Morton, Thos. 65 Elizabeth
Smith & Egge, 62 Reade, represented by J. J. Halpin
Solid Link Chain Mfg. Co. 29-31 Gold
Wallace & Sons, 29 Chambers

CHAINS, PLUMBERS' SUPPLIES.

McShane, Henry, Mfg. Co. 625-627 Sixth av (see add p. 108)

Plume & Atwood Mfg. Co. 18 Murray
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add pp. 62, 63)
Smith & Egge, 62 Reade, represented by J. J. Halpin
Solid Link Chain Mfg. Co. 29-31 Gold
Steel & Johnson Mfg. Co. 35 Howard

CHANDELIERS.

Ansonia Brass and Copper Co. 19-21 Cliff
Archer & Pancoast Mfg. Co. 900 Broadway
Bouche, H. L. 874 Broadway (see add p. 93)
Bradley & Hubbard Mfg. Co. 21 Barclay
Campbell, John, 9 Bond
Cassidy & Son Mfg. Co. 133 W. 23d (see add p. 82)
Craighead & Kintz Co. 33 Barclay
Dondaldson, Joseph, 74 E 9th
Donnell, J. F. & Co. 159 Fifth av
Donnell & Co. 52 W. 34th
Folmer & Schwing Mfg. Co. 391 Broadway
Frink, I. P. 551 Pearl
Holmes, Booth & Haydens, 25 Park pl
Iden & Co. 26 University pl
McCoy, J. N. & Co. 5-7 Thompson
Meriden Malleable Iron Co. 40 College pl
Miller, Edward, & Co. 10 12 College pl
Mitchell-Vance Co. The 836 Broadway
Murphy, Edward, 626 Third av
New York Gas Fixture Co. 20 Warren
Oxley, Giddings & Enos, 224 Canal
Parker, Charles, Co. The 97 Chambers
Pittsburgh Brass Co. Limited, 44 Park pl
Porter's, Wm. Sons, 271 Pearl
Schneider, Campbell & Co. cor. 13th & University pl
U. S. Lighting and Ventilating Co. 24 W. 4th

CHIMNEY TOPS.

Briggs, A. A. 122 E. 129th
Climax Mfg. Co. 60 Laight
Coleman, Chas. H. & Co. 145 Broadway (see add p. 136)
Davies, J. R. 13 Park row
Lane, Ira G. 207 E. 64th
Maurer, Henry & Son, 420 E. 23d (see add next to back inside cover)
Miller & Coates, 279 Pearl
Mullins, W. H. 108 Chambers, Julius T. Wagner, mgr
Person, Orin D. Mohawk bldg. 21st and Fifth av (see add p. 139)
Pries, W. H. 434 Canal
Robbins, Geo. B. & Co. 136th and Third av (see add p. 122)

CHURCH FURNITURE, SCHOOLS, HALLS AND THEATRES.

Andrews Mfg. Co. 76 Fifth av
Brown, George & Clifford, 46 E. 14th
Degraaf & Taylor Co. 47 W. 14th
Flint, George C. 47 W. 14th
Frost Veneer Seating Co. 206 Canal
Gardner Co. 623 W. 48th
Geissler, Rudolph, 52 Lafayette pl
Globe Furniture Co. 3 E 14th
Hagen, Ernest F. 213 E. 26th
Homan, Andrew, 191 Canal
Kertscher & Co. 528-532 W. 24th
Lamb, J. & R. 59 Carmine
Manitowoc Mfg. Co. 257 Canal
Mason & Co. 320 Madison av
Phillips, Geo. W. 560 W. 23d (see add p. 101.)
Schastey, George A. & Co. 1681 Broadway, cor. 53d
Schwarzwaelder, William & Co. 371 Fulton
Theis & Janssen, 413-415 E. 25th (see add p. 127)
Walsh, Patrick, 420-422 W, 25th

CHURCH GLASS.

Morris, Theo. W. & Co. 438 Canal and 14 Vestry (see add p. 89.)

CHURCH LIGHTS.

Dale Tile Mfg. Co. Ltd. 398 Broome (see add p. 49.)
Frink, I. P. 551 Pearl

CHURCH WINDOW GUARDS.

American Screen Co. 47 Liberty
Bataille, Achille, 122 W. Broadway (see add p. 23)
Burrowes, E. T. & Co. 319 Broadway
Carrere & Haas Iron Works, Lincoln bldg 1-3 Union sq e 14th
DeWitt Wire Cloth Co. 32 Reade (see add p. 26)
Estey, W. S. 65 Fulton (see add p. 24)
Howard & Morse, 45 Fulton (see add p. 5)
McMurray, R. T. & Bro. 141-143 Centre (see add p. 25)
Pirsson, F. M. & Co. Lincoln bldg. 1-3 Union sq e 14th
Pitt, William R. Composite Iron Works, 83 Reade

CIVIL ENGINEERS.

Abbott, John, 150 Broadway
Am. Society of Civil Engineers, 127 E. 23d
Bacot, William S. 145 Broadway

Baldwin, William J. 277 Pearl
Barnes, Oliver W. 57 Broadway
Barry & McTighe, 52 William
Bartholf, Abraham, 145 Baxter
Boller, Alfred P. 71 Broadway
Bolton, E. D. 44 Broadway
Bowditch, Ernest W. 111 Broadway
Bradley, W. H. 4 Irving pl
Breakell, William T. 76 John
Breithaupt, W. H. 18 Broadway
Brown, Charles O. 18 Broadway
Brown, Harold P. 45 Wall
Bryson, A. 12 Broadway
Buck, Leffert L. 18 Broadway
Bush, H. D. 96 Liberty
Byrne, Garrett J. 2254 Third av
Canda, Ferdinand E. 11 Pine
Clarke, Thomas C. 1 Broadway
Collingwood, Francis, 277 Pearl
Cooper, Theodore, 35 Broadway
Corthell, Elmer L. 71 Broadway
Cox, Matthew, 250 W. 125th
Croes, J. James R. 13 William
Crowell, Foster, 18 Broadway
Cuyler, John Y. 125 Potter bldg
Davison, Henry J. & Co. 2 Wall
Delafield, Clarence, 2 Wall
Devin, George, 35 Broadway
Dickinson, Pomeroy P. 7 Nassau
Dockam, Ed. H. 72 Cortlandt
Dodge, Robert J. 63 Fulton
Dunham & Paine, 150 Broadway
Eilshemus, F. E. 265 Broadway
Ewen, Austin D. 229 Broadway
Findlay, Andrew, 33 Pine
Foster, Wolcott C. 52 Broadway
Frescoln, S. W. World bldg

S. W. FRESCOLN,

CIVIL ENGINEER,

World Building, New York.

Bridges, Water Works, Sewerage, Deep Foundations.

Fuller, Eugene F. 57 Broadway
Gerhard, William P. 39 Union sq. W.
Gillham, Robert, 45 Broadway
Gregory, B. C. 111 Broadway
Guion, B. R Third av. and E. 161st
Gullick, William H Contract Agt. Phœnix Iron Co. 10 W. 23d
Gunnell, William C. 97 Nassau
Hammett, W. A. 18 Cortlandt
Hardy, George K. Times bldg
Harris, Robert L. 1 Broadway
Harris, T. William & Co. 44 Broadway
Hasell, Bentley D. & Co. 66 Pine
Haswell, Charles H. 40 Broadway
Hedden, Eugene B. 35 Broadway
Hering, Rudolph, 277 Pearl
Hildreth, R. W. Co. 2 Wall
Hohenstein, A. G. 52 John
Holden, E. H. 9 Chambers
Horack, Charles L. 93 Nassau
Hubert, Henry G. 672 E. 137th
Hunt, Chas. W. 13 William
Hutton, William R. 35 Broadway
Jackson, Chas. E. 15 Cortlandt
Jacobs, Chas. 192 Broadway
Jones, Frank F. 2 Wall
Lacy, Michael A. 24 State
Levering & Garrigus, World bldg
Lewinson & Just, 90 Nassau
Lockwood, John, 52 Broadway
Lucius, Albert, 71 Broadway
McElroy, Samuel, 170 Broadway
McNulty, George W. 45 Broadway
Mallory, George B. 50 Broadway
Martin, Frank S. 70 Beaver
Moore, Charles K. 121 Liberty
Morrison, George S. 35 Wall
Moss, Lincoln, 71 Broadway
Moylan, James, 71 Broadway
O'Brien, James J. 7 Nassau
Ogden John W. 4 Irving pl
Olmstead, B. S. & G. S. 32 Liberty
Olney, George, 17 Broadway
Olney, L. F. 99 Nassau
Osgood, Joseph O 120 Broadway
Paine, Chas. & Son, 71 Broadway
Palmer, Frank, 58 W. 57th
Parsons, W. Barclay, 35 Broadway
Post & McCord, 120 Broadway (see add p. 33)
Preuss, William, 307 E. 10th
Rider, Joseph B. 161 Broadway

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Root, George M. 2 Stone
Rusling, George M. 137 Broadway
Savage, Albert C. 61 Broadway
Schneider, Charles C. 192 Broadway
Schuyler, John, 63 William
See, Horace, 1 Broadway
Smith, C. W. 31 Broadway
Smith, Rudolph C. 1 Broadway
Smith, T. G. 111 Broadway
Sooysmith & Co. 2 Nassau
Sorzano, Julio F. 33 Broadway
Steele, H. M. 187 West
Stout, Edmund C. 40 Broadway
Stuart, Carl W. 31 Broad
Thompson, Henry C. 49 Liberty
Towl, Theodore M. 26 Broadway
Towle, Frank E. 25 Chambers

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Van Horn, John G. 15 Cortlandt

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Vanslooten, William, 74 Wall
Vermeule & Bien, 71 Broadway
Warner, C. S. 132 Broadway
Waters, R. L. 9 Chambers
Webster, Albert L. 3 Broad
White, W. Howard, 74 Wall
White, William H. 32 Pine
Widmayer, William F. 35 Broadway
Wingate, Charles F. 119 Pearl
Woltmann, Keith & Co. 11 Wall
Worthen, William E. 63 Bleecker
Worthington, Henry R. 86-88 Liberty

CLAYS.

Barber, Charles B. 5 Beekman
Dyckerhoff Portland Cement, E. Thiele agent, 8 William
Hamill & Gillispie, 240 Front
Kreischer, B. & Sons. 132 Mangin
Maurer, Henry & Son, 420 E. 23d (see add p. opposite back inside cover)
Robbins, Geo. B. & Co. Third av. and 136th (see add p. 122)
Salamon, L. A. & Bro. 216 Pearl
Weber, Adam, 633 E. 15th

CLAY RETORTS.

Kreischer, B. & Sons, 132 Mangin
Maurer, Henry & Son, 420 E. 23d (see add p. opposite back inside cover)
Stone Waterproofing Co. (Caffall Process), Stewart bldg. 280 Broadway (see add p. 127)
Weber, Adam, 633 E. 15th

CLEANERS, BROWNSTONE.

Checkley, R. S. 929 Sixth av

CLOCKS.

Accurate Time Stamp Co. 675 Hudson
Akin Automatic Advertising Clock Co. 7 Murray
American Watchman's Time Detector, 234 Broadway
Ansonia Clock Co. 11 Cliff & 11 Cortlandt
Atwater, William H. 6 Warren
Bensel, L. J. 2364 Third av
Bernsee, C. D. 317 Temple Court
Berendt, Henry, 47 Murray
Bing, Ferdinand & Co. 106 Grand
Blackwood, John, 25 Murray
Boss, Charles, 14 Dey
Boston Clock Co. 13 Maiden la
Bradley & Hubbard Mfg. Co. 21 Barclay
Cary, Alanson, 240, 242 W. 29th
Chase, C. S. 25 Murray
Connecticut Clock Co. 26 Church
Edlund, Knut E. 80 Nassau
Electric Time Co. 16 Broad & 45 Cortlandt
Electro-Pneumatic Time Co. 45 Broadway
Gilbert, William L. Clock Co. 6 Murray
Globe Clock Co. 50 Maiden la
Hamann & Koch, 5 Maiden la
Hausburg, O. E. 41 Maiden la
Howard, E. The Watch & Clock Co. 41 & 43 Maiden la
Jacques, Charles, 2 Maiden la
Kroeber, F. Clock Co. 360 Broadway
Loriot, Henry, 89 Nassau
Matzinger, J. 4 E. 20th
Meriden Britannia Co. 46 E. 14th
New Haven Clock Co. 38 Maiden la
Phelps & Bartholomew Co. 360 Broadway
Prentiss Calendar & Time Co. 198 Broadway
Reynolds, Thomas, 19 Union sq W.
Rodgers, W. H. 63 Fulton
Self-Winding Clock Co. 26 Broadway
Standard Novelty Co. 62 Water
Straus, L. & Sons, 42, 44, 46 & 48 Warren
Taylor & Brother, 860 Broadway
Telegraphic Time Co. 53 Cedar
Terhune, Henry & Son, 25 Murray
The Eco Maqueto Clock Co. room 317, Temple Court bldg, 5 Beekman (see add p. 70)
Thomas, Seth, Clock Co. 20 Murray
Waterbury Clock Co. 10 Cortlandt
Welch, E. N. Mfg. Co. 13 Maiden la
Willard Metal Co. 232 Canal
Zaubitz, August, 48 Centre

CLOSETS, WATER, PLUMBING SUPPLIES.

Adee, Fred. 90 Beekman (see add p. 109)
Aspinall, E. 98 Beekman
Beekman Salutary System, 56 Beekman
Blessing, Geo. A. 290 Pearl (see add p. 110)
Bulck & Sherwood, 44 Cliff
Cassidy & Adler, 531 W. 55th & 490 Sixth av
Colwell Lead Co. 63 Centre
Dalton Ingersoll Co. The, 64 Gold
Dimock, Fink & Co. 80 John & 212 E. 125th
Haydenville Mfg. Co. The, 73 Beekman
Huber, Henry & Co. 81 Beekman (see add p. 110)
Jamer, Jacob, 84 John
Locke, C. 37th bet Sixth av. & Broadway
McShane, Henry Mfg. Co. 625-627 Sixth av (see add p. 108)
Maddock, Thomas & Sons, 51 Cliff
Mayor, Lane & Co. 119 Walker
Meyer, Sniffin Co. Ltd. 48 Cliff
Moore, Fred. G. 78 Beekman
Morrison, David, 55 W. 16th
Mott, J. L. Iron Works, 88 Beekman
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add p. 62-63)

Sanitas Mfg. Co. 54 Gold
Waefelaer, Louis, 54 Beekman

COAL AND SAND SCREEN MFRS.

Bataille, Achille, 122 W. Broadway (see add p. 23)
Brooklyn Wire Cloth Works, 107 John
Cabble, Wm. Excelsior Wire Mfg. Co. 43 Fulton
DeWitt Wire Cloth Co. 32 Reade (see add p. 26)
Estey, W. S. 65 Fulton (see add p. 24)
Gilbert & Bennett Mfg. Co. 44 Cliff
Howard & Morse, 45 Fulton (see add p. 5)
McMurray, R. T. & Bro. 141-143 Centre (see add p. 25)
Norwood, J. & Sons, 89 Centre
Wooley & Co. 61 Fulton

COLOR MAKERS.

Am. Permanent Color Mfg. Co. 54 Front
Ansbacher, A. B. & Co. 4 Murray
Aquilla Rich Paint & Color Co. 84 William
Barnett & Co. 84 William
Billings, Taylor & Co. 438 Pearl
Breidbach, C. J. & Son, Mott av c. E. 144th
Bush & Hollingsworth, 23 Dey
Childs, Charles M. & Co. 225 Pearl
Consolidated Ultramarine Co. (Ltd.) 55 Maiden la
Coulston, J. W. & Co 140 Maiden la
Devoe, F. W. & Co. 103 Fulton (see add p. 90)
Eakins, John S. 24 Liberty
Hammill & Gillispie, 240 Front
Hemingway & Co. 90 Water
Hemingway's London Purple Co. (Ltd.) 90 Water
Hochstaetter, Catharine W. 523 E. 119th

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Johns, H. W. Mfg. Co. 87 Maiden la
Kalle & Co. 77 John
Kohnstamm, H. &. Co. 126 Chambers
Leibundgut, E. & Co. 12 Old sl
Pfeiffer & Lavanburg, 165 William
Sherwin-Williams Co. 178 Fulton
Sondheim, Alsberg & Co. 54 Maiden la
Swartz, E. H. 23 Ave. A (see add p. 106)
Tieman, D. F. & Co. 16 Murray, 19 Park pl. & ft. W. 129th
Tomkins, Calvin, 150 Broadway (see add p. 140)
Wix, Charles & Co. 53 Dey

COLORS, MORTAR.

Clinton Metalic Paint Co. 147 Fulton
Fisher, Erskine W. 18 Broadway (see add p. 107)
Fleming, Howard, 23 Liberty
Swartz, E. H. 23 Ave. A. (see add p. 106)
Toch Bros. 35 Bowery
Tomkins, Calvin, 150 Broadway (see add p. 140)

CONCRETE, MACADAM, STONE AND GRAVEL PAVERS.

Bouker Contracting Co. 110 Wall (see add p. 141)
Howell, A. J. 336 W. 19th
Hudson River Stone Supply Co. 45 Broadway
Macknight Flintic Stone Co. 150 Broadway (see add p. 7)
Tomkins, Calvin, 150 Broadway (see add p. 140)

CONTRACTORS.

Am. Cable Railway Co. 99 Nassau
Am. Contracting and Dredging Co. 45 Exchange pl
Am. Development Co. 15 Broad
Am. Electric Construction Co. (ltd.) 115 Broadway
Am. Water Gas Works Construction Co. 53 Broadway
Andrews, William D. & Bro. 233 Broadway
Backus, Peter & Son, 133-135 W. 25th (see add p. 64)
Baird, M. & J. 339 E. 63d
Baldwin, F. S. & Co. 1300 Broadway
Barkakta Construction Co. (ltd.) 89 Cotton Exchange
Barnes, Reon, 11 Pine
Barry, Michael W. 137th n Lenox av
Bateman & Pollard, 143½ E. 23d
Beck, Fred. & Co. e Seventh av and 29th
Beck, Louis D. 58 Cedar
Belden, Henry, 52 Broadway
Bernan, W. H. 162d and Amsterdam av
Blackmore Heating Co. 8 John (see add p. 66)
Boland, James, 1878 Lexington av
Bolger, John J. Olin av n Bronx r
Boltons, G. & J. R. Imp. Hot Water Heater, Geo. H. Raymond, manager, 114 Liberty (see add p. 69)
Boston Terra-Cotta Co. Times bldg
Bouker Contracting Co. 110 Wall

BOUKER CONTRACTING CO.,

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STONE, &c.,

No. 110 WALL STREET.

See Advertisement, page 141.

Bouker, George A. 114 Wall
Bouker, D. C. & Son, 114 Wall
Bowes & Coombs, 433 E. 77th
Bradley, M. A. 503 W. 55th
Brainard Bros. 24 State
Briggs, C. Robinson, 52 Broadway
Britton, Edward E. 1 Broadway
Brooks, William & Son, 613 W. 49th ft. W. 55th, and ft. W. 96th
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Brown, George & Clifford, 46 E 14th
Brown, James M. & Co. 115 Broadway
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Buttner, Henry, 470 E. 149th
Byers, Moses G. 21 W. 62d
Campbell, Robert A. 428 E. 48th
Carr, Benjamin J. 1209 Ogden av
Carroll, Patrick, 201 E. 23d
Caulfield, George, 64 College pl
Chesley, W. P. 29 Broadway
Child, Frank W. 115 Broadway
Clark & O'Brien, 40 Wall
Coffin, J. W. 50 Broadway
Cokefair, Charles C. 44 Broadway
Colfield & Saylor, 143 Liberty
Complete Electric Construction Co. 14 Cortlandt
Consolidated Carson River Dredging Co. 18 Broadway
Continental Construction and Improvement Co. 120 Broadway
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Cregin, Charles A. 44 Broadway
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Crimmins, J. D. & T. E. 1043 Third av. and 440 E. 69th
Culver, Alston G. 1172 Ninth av
Culver, Delos E. 145 Broadway
Cumberland Gap Construction Co. 59 Wall
Cummings & Co. 21 W. 62d
Cunningham, R. A. & Co. 343 E. 16th
Curran, John & Co. S. Boulevard c E. 149th
Dacey, William G. 2 Wall
Dailey, J. D. & Bro. 112 Broad
Dale Tile Mfg. Co. ltd. 398 Broome (see add p. 49)
Danforth, Waldo, 44 Broadway
Davidson Sons Marble Co.—Mill and Factory, 250-262 Eleventh av. 558-560 W. 27th, 557 W. 26th; Office, Eleventh av. and 27th (see add p. 123)
Deane, William H. 39 Nassau
Dennen, Owen, W. 165th n Tenth av
De Rache, Leonard, 250 W. 70th (see add p. 133)
Doak & Beck, Kingsbridge rd. n W. 166th
Dobbins, T. 1193 Broadway
Doherty, Edward, 108 Washington
Drake & Stratton, 143 Liberty
Dull, Daniel, 780 Seventh av
Dunham, Sumner T. 45 Broadway
Dunne & Armstrong, Kingsbridge rd. n. Jerome av
Dunnigan, J. W. 523 E. 134th
Eastern Plaster Board Co. 50 New and 52 Broad
Edwards, Joseph, 145 Broadway
Eidlitz, Leopold, jr., 128 Broadway
Empire Paving and Contracting Co. 21 State
Erdenbrecher, Edward, 586 E. 145th
Ferguson & Fairchild, 44 Broadway
Fletcher, Geo. H. 69 Gold
Fitzgerald, Thomas, 506 E. 56th
Fordyce, A. R. & Co. 145 Broadway
Franklin, George, 142 Central
Frescoln, S. W. World bldg

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World Building, NEW YORK.

Fulton Construction Co. 45 William
Furlong & Furlong, c 134th and Third av (see add p. 142)
Gamble, James & Co. 68 Wall
Garry, Joseph, 237 E. 40th
Garvey, James, r 519 W. 28th
Gearty, Thomas, 417 E. 65th
Gibson, John S. Boulevard n E. 149th
Gillings & Co. 3015 Third av
Godeffroy, Adolph E. 45 Broadway
Goodwin, Mark, ft. E. 29th
Granitic Sidewalk and Vitrified Paving Block Co. 171 Broadway
Gray, Jenks & Co. 3 Union sq (see add p. 93)
Guastavino Fire Proof Construction Co. 57th, North river
Hall, James T. 10 W. 23d
Hammett, W. A. manager, 18 Cortlandt
Hanna, Robert, 152 W. 100th
Harris, T. William & Co. 44 Broadway
Harris, Theodore S. 1 Broadway
Hart, Gustavus, 531 Broadway
Hatzel & Buehler, 29 W. 26th
Heinigke & Bowen, 33-35 E. 12th
Herrick, James A. 19 Whitehall
Hildebrand, W. 1 Broadway
Hoar, Richard, E. 97th n Madison av
Hough, Charles V. 233 E. 119th and Seventh av. c W. 151st
How, Francis, 45 Broadway
Howell, Alexander J. 336 W. 19th
Hoyt Bros. 712 E. 145th
Hunt, John, ft. E. 102d
Hussey, The, Re-heater, 15 Cortlandt
Hutchinson, John & Son, 346 E. 122d

Hydraulic Tube Well Construction Co. 145 Broadway
Indestructible Pile Co. 2 Wall
Irvine & Co. 102 Chambers
Irvine & Schneider, 102 Chambers
Johnson, Frank R. 145 Broadway
Jones, John J. 430 E. 89th
Joyce, Thos. & Son, 151-153 W. 25th
Kampfner, August, 315 W. 64th
Kehoe, John, 520 E. 18th
Kelly, John, 620 W. 55th
Kelly, William, 607 W. 47th
Kerr & Co. 15 Cortlandt
Kilpatrick, E. 42-50 W. 67th
Klein, Louis, 315 E. 54th
Land and River Improvement Co. 120 Broadway
Larkin, M. & Son, 519 E. 16th
Larkin, P. & T. 612 E. 15th
Larney, Patrick, 325 E. 38th
Leary, James D. 24 State
Lennon, John J. 21 Lind av
Lewis-Mercer Construction Co. 38 Wall
Lockwood, John C. 52 Broadway
Loonam, Peter T. 105 E. 31st
McCracken, W. V. & Co. 40 Wall
McDonald & Fallon, Tenth av. n W. 183d
McGee, John, 422 E. 105th
McGuire, Patrick, 112 Broad
McHugh, Joseph P. & Co. 3 W. 42d
McKay, Nathaniel, 19 Whitehall
McLaughlin, James, 140 W. 67th
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McNamee, Richard & Co. 234 Broadway
McQuade, John, 203 E. 89th
McTighe, Henry, 64 Broadway
Maloney, Michael & Son, 512 E. 118th
Mass. & Southern Construction Co. 45 Broadway
Meehan, Thomas, 415 Broadway
Mertz's, Geo. Sons, Portchester, N. Y. (see add pp. 98, 99)
Mexican National Construction Co. 32 Nassau
Miller, A. J. 16 Beaver
Miller, F. W. 145 Broadway
Montgomery & Pease, 722 E. 143d
Mooney, John H. 40 Wall
Moore, Charles K. 121 Liberty
Morton, W. H. 161 Broadway
Morton, William H. 95 Liberty
Muller, P. 563 W. 36th
Mulry, James B. 23 Rutgers
Murdock, Harvey, 140 Nassau
Murray, John, 2349 Tenth av
Murray, William J. 385 Lexington av
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New York & Rosendale Cement Co. 229 B'way
N. Y. Mfg. & Pavement Co. 15 Broad
N. Y. Mining & Construction Co. 52 Wall
N. Y. Roofing Co. 437 E. 23d
Nicaragua Canal Construction Co. 44 Wall
Nicaragua Contracting & Trading Co. 120 Broadway
Norcross Brothers, 81 E. 125th
Norton, Patrick, 417 E. 65th
O'Brien Brothers, 49 South
O'Brien & Clark, 40 Wall, 25 Hancock pl
O'Gorman, William, 300 Willis av
Pacific Construction Co. 45 William
Paige, David R. & Co. 45 Broadway
Paige, Carey & Co. 45 Broadway
Pecora, D. G. 213 E. 102d
Peterson, Charles & Co. 247 W. 125th
Phœnix Construction Co. 115 W. 38th
Pierce Artesian & Oil Well Supply Co. 80 Beaver
Pierce, Charles D. 127 Pearl
Pigott, George, Riverdale
Place, Geo. 120 Broadway
Pollock, Alexander, 15 Cortlandt
Pucci, A. G. 435 E. 113th
Purdy, John, 321 W. 26th
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See Advertisement, page 92.

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Reynolds & Quinn, 309 E. 80th
Riley, James, 170 Lincoln av
Ripley & Coffin, 50 Broadway
Rodgers & Farrell, 247 W. 125th
Rodgers, Shanly & Co. 247 W. 125th
Rogers, Geo. W. 44 Broadway
Rosevelt, Warren, 16 Warren
Ryan, Michael, 308 W. 143d
Ryan, M. A. & Bro. 338 E. 91st
Safety Electric Construction Co. 45 Wall, 143 Elm
Sage & Wilkins, Kingsbridge
St. Louis, New Orleans & Ocean Canal & Trans. Co. 45 Broadway
Salter, John T. 45 Broadway
Santee Construction Co. 115 Broadway
Scheeweiss, Wm. 628 Eighth av
Schmidt, Frederick, 492 E. 146th
Schofield, Wm. H. & Sons, 170 Broadway
Seattle & Eastern Construction Co. 80 B'dway
Sess, J. & Co. 255 E. 125th
Sheridan & Shea, 22 State

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Slattery, James, 218 W. 37th
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Smith, Francis H. 16 Exchange pl
Smith, Jeremiah T. Metropolitan Life Insurance bldg, 23d st & Madison av (see add p. 131)
Smith, John G. 511 W. 57th, 329 W. 48th
Smith, P. Minturn, 45 Broadway
Smith & Hanfield, 61 Broadway
Smith, J. S. & Co. 61 Broadway
Sooysmith & Co. 2 Nassau
Stewart, H. 15 Cortlandt
Suffern, Edward L. 50 Broadway
Symington, James, 18 Exchange pl
The Empire Construction Co. 50 Broadway
The Mexican Construction Co. 32 Nassau
The New York Scientific Sheet Co. 120 B'dway
The Q. N. Evans Construction Co. 41 Dey
The Underground Railway Construction Co. 120 Broadway
Tierney, Myles, Highbridgeville
Tissot & Schultz, 212 Church
Townsend, Wm. 19 Whitehall
Tucker Electrical Construction Co. 18 Whitehall
Tully, T. 548 E. 86th
U. S. Construction & Improvement Co. 45 Broadway
Universal Interoceanic Panama Canal Co. 18 Broadway
Vanderbilt, Geo. 14th & Tenth av
Vanloon & Callan, 63 W. End av
Vowles & Dornan, 235 William
Walker, Joseph, ft. E. 131st
Warke, Robert L. 21 Gay
Welles, Henry S. 35 Broadway
Westbrook, John B. 7 William
Whyte, Wm. C. 15 Cortlandt
Williams & Potter, 15 Cortlandt
Woodbridge & Turner, Times bldg

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Algie & McCool, 51 W. 62d
Am. Pat. Portable House Mfg. Co. 48 Wall
Archer Brothers, 236 E. 35th
Atlas Iron Construction Co. Times bldg, 41 Park row
Bailey, S. H. 202 W. 64th
Baird, M. & J. 339 E. 63d
Baird, Robt. H. 15 Cortlandt
Beaudet, H. J. 81 E. 125th
Bengold, J. & Son, 248 W. 65th
Blackledge, B. & Son, 153 W. 18th
Bouker Contracting Co. 110 Wall (see add p. 141)
Brady, James, 317 E. 56th
Brand, L. & J. ft. E. 83d
Brennan, M. P. 245 Columbus av
Brennan, Thomas, 128 Lexington av
Brown & Fleming, 129 Broad
Bumstead, D. T. 18 Cortlandt
Bunn, Chas. H. 280 Broadway
Burchell, J. J. 206 E. 56th
Burke, L. A. & Co. 51 Chambers, 313 E. 106th
Carlin, J. 143 Eighth av
Central Construction Co. 61 William
Chesley, W. P. 29 Broadway
Christie, D. 723 Amsterdam av
Coar, J. 145 W. 74th
Cohn, Bernard, 15 Cortlandt
Coggshall, W. T. 226 W. 116th
Colcord, Sam'l, 103 W. 82d
Conolly, E. D. & Sons, 675 Lexington av, 1848 Second av
Connor & Connor, 19 Vandam
Contracting & Building Co. 15 Broad
Co-operative Bldg. Plan Assn. 63 Broadway
Corn, S. & Son, 3 Union sq
Coyle, J. C. 258 Broadway
Crawford, F. 253 Columbus av
Crimmins, J. D. & T. E. 1043 Third av, 440 E. 69th
Crow, Langstaff, 21 Park row
Crow, W. L. 21 Park row
Cummings & Co. 21 W. 62d
Darragh, R. L. 1539 Broadway
Davidson, W. 2050 Cambreling av
Davis & Fay, 38 Park row
Deeves, Richard, 181 Broadway, 144 W. 83d
Dexter, Ed. 18 Broadway
Diller, Wm. E. 253 Columbus av
Dodd, J. M. jr. 35 Broadway
Donnellon, J. & T. 451 W. 146th
Ducker Portable House Co. 239 Broadway
Eden, Edward, 194 Broadway
Edgar's, G. C. Sons, 695 Columbus av
Eidlitz, Leopold, jr. Mohawk bldg, 160 Fifth av cor. 21st
Eidlitz, Marc & Son, 308 E. 59th
Elderd, W. E. 202 E. 124th
Empire Construction Co. 50 Broadway
Evans, Q. N. Construction Co. 41 Dey
Farley, Terrence, Sons, 253 Columbus av
Fernschild, Wm. & Son, 105 E. 121st
Ferrier, J. 109 W. 49th
Fielder, J. W. 59 Liberty
Findley, Geo. 347 W. 48th
Finn, Myer, 80 Pine
Frame, J. A. 107 E. 70th
Franklyn, M. 310 E. 79th
Freas, J. 612 E. 156th
Gallagher, B. 41 Peck slip
Gallagher, Patrick, 822 Broadway
Gamble, James & Co. 68 Wall
Garry, Joseph, 237 E. 40th
Gearty, Thomas, 417 E. 65th
Giblin, Michael, 143 W. 80th
Gillespie, J. N. Westchester av
Gillies, John & Son, 31 Broadway
Graham, C. & Sons Co. 309 E. 43d
Granitic Sidewalk Co. 171 Broadway (see add p. 135)
Grenell, I. M. 672 Columbus av
Grissler, J. G. & Son, 632 E. 17th
Gullick, William H. Contracting Agt. Phœnix Iron Co. 10 W. 23d
Haaren, J. W. 164 St. Nicholas av
Hall, J. T. Mohawk bldg, 160 Fifth av c. 21st

Hall, W. W. 463 Columbus av
Hanna, Robert, 156 W. 100th
Havanaugh, B. 143 E. 59th
Hedden, V. J. & Son, Central bldg, 143 Liberty
Hogencamp, J. W. & Sons, 136 W. 55th
Hopper, Isaac A. & Co. 200-219 W. 124th
Horgan & Slattery, World bldg
Hume, Chas. E. 471 Lenox av
Husted, J. B. 171 Broadway
Imhoff, Anthony G. 142 E. 15th
Irvine & Co. 32 Warren
Jacob & Skinner, 245 Columbus av
Jeans & Taylor, 103 S. Fifth av
Johnston, Thomas H. 1589 Third av
Johns & Co. 17 W. 13th
Kane, Martin, 436 West
Kelly, John, 2138 Eighth av
Kennedy, D. T. 19 W. 74th
Kilpatrick, E. 50 W. 67th
Kilpatrick, T. 640 Madison av
King, David H. jr. 15 Broad
Klein, Wm. 192 Third av & 505 E. 15th
Korn, Jacob, 261 Broadway
Laimbeer & Son, 239 W. 50th
Lanchantin, W. E. 571 Boulevard
Levering & Garrigues, Pulitzer bldg, room 41
Levy, B. S. 372 Amsterdam av
Lewinson & Just, 90 Nassau
Loss, Warren H. 18 Broadway
Luyster, Cornelius W. 235 Columbus av
Lyon, Dore, 151 Broadway
Lyons, Frank, 280 Broadway
Lyons, Jer. C. 247 W. 125th
McCabe Bros. 1620 Broadway
McCloskey, Geo. M. 40 Cortlandt
McDonald, C. 457 Columbus av
McGlynn, J. 180 E. 78th
McGrath, T. 701 E. 170th
McIntosh, 172 E. 87th
McLaughlin & Co. 34 E. 81st
McManus, P. H. 262 W. 135th
McManus, Thomas, 200 E. 75th
Macdonald, J. H. Eleventh av & 24th
Mahony Engineering & Safety Boiler Co. 245 Broadway
Mandeville, H. & Son, 247 W. 47th
Mela, F. H. 529 Broadway
Mettler, Isaac V. 150 E. 25th
Miller, Jacob, 330 E. 9th
Mooney, John H. 40 Wall
Moore, Alex. 516 W. 52d
Moses & Fanton, 176 Broadway
Muldoon, F. 906 Sixth av & 266 Columbus av
Mulry, James B. 23 Rutgers
Murphy, C. 764 Eleventh av
Murphy, J. J. 62 Varick
Murphy, J. D. 200 Broadway
Niebuhr Bros. 1708 Amsterdam av
Noble, Wm. 171 Broadway
O'Brien Brothers, 49 South
O'Brien & Clark, 40 Wall
O'Brien, J. J. 78 Seventh
O'Brien, Terrence, 77 South
O'Brien, W. S. 238 E. 26th
O'Gorman, Wm. 300 Willis av
O'Reilly Bros. 121 E. 44th
Owens, Wm. W. 303 Broadway
Paige, Carey & Co. 45 B'dway, Aldrich Court
Paige, David R. & Co. Aldrich Court, 45 B'way
Parker, C. A. 1409 Lexington av
Perry, C. O. 5 Beekman
Pierce Artesian & Oil Well Supply Co. 80 Beaver, 127 Pearl (see add p. 212)
Pierring, H. 693 E. 145th
Portable House Co. 335 Broadway
Pratt, R. G. 571 Boulevard
Ramsey, Peter N. 32 W. 30th
Roberts, Austin J. 45 Broadway
Roberts, J. B. 245 Broadway
Robinson & McDowell, 56 E. 23d
Robinson & Wallace, 129 E. 23d
Rogers, J. E. & J. C. 2040 First av
Rogers, L. 784 Amsterdam av
Ruck, J. 148 Amsterdam av
Sauter, Louis, 638 E. 156th
Schaffler, J. & Son, 613 E. 16th
Schaffler, P. 98 Second av
Schappert, J. 1809 Second av
Schoonmaker, D. 200 E. 102d
Scott, J. S. 4 W. 113th
Slade, W. G. 93 Duane
Slattery, James, 218 W. 57th
Slattery, John, 368 Park av
Smith, Jas. B. 18 Broadway
Smith, Jer. T. Metropolitan Life Insurance bldg. 23d & Madison av (see add p. 131)
Smith, Thomas, 164 E 84th
Smith, T. G. 111 Broadway
Snaith, John, 121 E. 23d
Spears, J. & W. C. 2231 Third av
Staats, R. P. & J. H. 29 Broadway (see add p. 133)
Staiger, G. 152 Second av
Steele & Costigan, 228 W. 10th
Steinmitz, J. H. 26 W. 85th
Strieffler, J. 2719 Eighth av
Taylor, A. J. 2719 Eighth av
Teets, J. W. & A. A. 508 Manhattan av
Terwilliger, C. R. 519 W. 157th
Tile Fire Proof Construction Co. Central bldg, 143 Liberty
Townsend, R. 834 Amsterdam av
Tucker, E. 37 W. 12th
Vandewater, J. E. 115 Nassau
Vought, H. H. 501 E. 70th
Weber, J. & L 25 E. 23d
Weeks, H. C. 56 E. 23d
Werth, Louis, 1441 Third av
Wills, Chas. T. 20 W. 22d
Wright, Isaac E. 158 E. 126th

CONTRACTORS, ARTIFICIAL STONE PAVING.

Alsens' Portland Cement Works, Sinclair & Babson, Central bldg, 143 Liberty (see add p. 121)
Comins & Evans, 81 Fulton
Compagnie Generale des Asphaltes de France (Ltd), E. H. Wootton, 35 Broadway
Empire Paving & Construction Co. 24 State
Everett, Charles J. 174 Chambers
Granitic Sidewalk & Vitrified Paving Block Co. 171 Broadway (see add p. 135)
Macknight Flintic Stone Co. 150 Broadway (see add p. 7)
Metallic Paving Co. 115 Broadway
Neus, Henry, 454 E. 116th
Sicilian Asph. Paving Co. Times bldg. 41 Park row
Taylor, Matt. Paving Co. 15 State (see add p. 134)

The Neuchatel Asphate Co. (Ltd.) 265 Broadway, Robert Butcher, manager (see add p. 135)
The North American Pyrogranite Co. 52 W. 15th
The Schillinger Fire Proof Cement & Asph. Co. 413 E. 91st
Wehn Pavement Co. Central bldg, 143 Liberty
Wootton, E. H. 35 Broadway

CONTRACTORS, ASPHALT PAVING.

Barber Asph. Paving Co. The, 1 Broadway
Compagnie Generale des Asphaltes de France (Ltd.), E. H. Wootton, 35 Broadway
Furlong & Furlong, 134th & Third av (see add p. 142)
Hastings Paving Co. 140 Pearl
Hilgers, William, 163 W. 104th
Lawrence, F. W. Central bldg, 143 Liberty
Moens Asph. Cement Co. 103 Maiden Lane
New York Mastic Co. 35 Broadway
Portland Cement Stone Co. Central bldg, 143 Liberty
Sicilian Asph. Paving Co. Times bldg. 41 Park row, Henry Bolze, Manager
Taylor, Matt. Paving Co. 15 State (see add p. 134)
The Neuchatel Asph. Paving Co. (Ltd.) 265 Broadway, Robert Butcher, manager (see add p. 135)
The Schillinger Fire Proof Cement & Asph. Co. 413 E. 91st
The United States Artificial Stone Co. Branch Office, 145 Broadway. Represented by Chas. A. Colman & Co. (see add p. 137)
The Wilson & Baillie Manufacturicg Co. Aldrich Court, 45 Broadway
Union Pavement Co. 45 Broadway
Van Orden, Edw. & Co. 110 John
Warren, Scharf, 81 Fulton

CONTRACTORS, CABLE RAILWAYS.

American Cable Railway Co. 99 Nassau
Andrews, F. H. 556 W. 34th
Barry, J. F. & Co. 52 William
Crimmins, J. D. 1043 Third av
Murray, Thos. & Co. 95 Liberty
National Cable Railway, The, 140 Nassau
Paine, W. H. 112 Broadway
Thielmann, F. jr. & Co. 520 E. 121st
Vogel Cable Construction Co. 15 Broad

CONTRACTORS, DREDGING AND EXCAVATING.

American Contracting & Dredging, 45 Exchange pl
Atlantic Dredging Co. 33 Pine
Atlas Dredging Co. 121 Front
Benton, Thos. H. 44 Broadway
Bowers, A. B. 17 Cortlandt
Brainard Bros. 24 State

BRAINARD BROTHERS,
CONTRACTORS FOR
River and Harbor Improvements,
Dredging, Filling and Dock Building,
24 STATE STREET, NEW YORK.

Consolidated Carson River Dredging Co. 18 Broadway
Cregin, Charles A. 44 Broadway
Cummings, Jos. 45 Duane
Dailey, J. D. 112 Broad
DuBois, Henry, Sons, 119 South
Edwards, Jas. Dredging Co. 145 Broadway
Flannery, W. 60 South
Hayward, J. H. 11 Pine
Kelly, B. & Son, 187 West
Lancaster, James H. 202 Broadway
Monks, John & Sons, 130 Water
Morris & Cummings Dredging Co. 45 Duane
New York Dredging Co. 63 Wall
No. American Dredging & Improvement Co. 2 Stone
Osgood Dredge Co. 37 State
Pidgeon Dredging Co. 60 South
Staats, R. P. & J. H. 29 Broadway (see add p. 133)
Tebo, W. M. 23 South
White, L. E. 28 Coenties sl

CONTRACTORS, ELECTRIC RAILROADS.

Barry, J. F. & Co. 52 William
Bentley, Knight Electric Railway Co. 115 Broadway
Childs, F. W. 115 Broadway
Cornell Elect. Eng'g Co. 45 Broadway
Daft Elect. Light Co. The, 115 Broadway
Edison General Electric Co. 16 Broad
Field Engineering Co. 15 Cortlandt
Hatzel & Buehler, 29 W. 26th.
Hutchinson, A. J. 150 Broadway
Julien Elect. Co. 120 Broadway
Murray, Thomas & Son, 95 Liberty
Reed & McKibbin, 32 Liberty
United States Elect. Railway Co. 10 Wall
Western Construction Dynamo & Motor Co. Whitehall, cor. Stone
White, J. G. & Co. 50 Broadway
Woodbridge & Turner, Times bldg.

CONTRACTORS, ELEVATED AND STREET RAILROADS.

Cornell, J. B. & J. M. 141 Centre (see add pp. 35, 37, 39)
Craig, W. P. 150 Broadway
Emmet Bros. & Griswold, 150 Broadway
Gamble, Jas. 68 Wall
Hutchinson, A. J. 150 Broadway
Johnson Company, Mutual Life bldg.

Judson Pneumatic Street Ry Co. 45 Broadway
Lewis-Mercer Constr. Co. 38 Wall
Murray, Thos. & Co. 95 Liberty
Paige, Carey & Co. 45 Broadway
Paine, W. H. 102 Broadway
Reilly, H. J. 31 Broadway
Riley Ry. Constr. Co. 196 Greenwich
Suffern, E. L. 50 Broadway
United Street R'way Imp't Co. 29 Broadway

CONTRACTORS, ENGINES AND MACHINERY.

Backus, Peter & Son, 133-135 W. 25th (see add p. 64)
Howard Foundry & Machine Works 17 S. 18th, Philadelphia, Pa., J. Q. Maynard, agt. 114 Liberty, N. Y. (see add p. 19)
Lidgerwood Mfg. Co. 96 Liberty (see add front inside cover)
Pollock, Alexander, 15 Cortlandt
Schriver, T. & Co.'s Foundry & Machine Works, 333 E. 56th (see add p. 14)
Whittier Machine Co. 93 Liberty

CONTRACTORS, GAS WORKS.

Am. Water & Gas Works Constr. Co. 53 Broadway
Barry, J. F. & Co. 52 William
Bredel, Fred. C. E. 208 E. 17th
Coyle, Joseph C. 258 Broadway
Detroit Heating & Lighting Co. 126 Liberty (see add p. 144 & back cover)
Equality Gas Works Constr. Co. 120 Broadway
Floyd, James R. Sons, 30th & Tenth av
Gamble, J. E. 68 Wall
Gilbert & Barker Mfg. Co. 90 John
Harris, T. William, 44 Broadway
Isbell, Porter Co. 245 Broadway
Mollit, Hodgkins & Clark, 34 Pine
Pennsylvania Globe Gas Light Co. 115 Broadway
Thomas, Joseph R. 42 Pine
U. S. Gas & Water Works Constr. Co. 35 Broadway
White, W. Henry, 32 Pine

CONTRACTORS, GRAVEL ROOFING.

Comins & Evans, 81 Fulton
Furlong & Fulong, 134th & Third av

FURLONG & FURLONG,
Contractors, Gravel Roofing,
134th St. and Third Ave., N. Y.
Water Tight Floors; Asphalt Coverings for Walls and Vaults. Asphalting of Vaults, Foundations and Cellars a Specialty.
See Advertisement, page 142

New, T. Mfg. Co. MacIntyre bldg. 874 Broadway
Robbins, George B. & Co. Third av. & 136th (see add p. 122)
The New York Roofing Co. 437 E. 23d
Vanderbilt, George, 14th & Tenth av
Warren Chemical & Mfg. Co. 81 Fulton

CONTRACTORS, IRON PIERS.

Atlas Iron Construction Co. Times bldg
Frescoln, S. W. World bldg
Phoenix Bridge Co. 49 William
Sooysmith & Co. 2 Nassau
Staats, R. P. & J. H. 29 Broadway (see add p. 123)
Union Bridge Co. 1 Broadway

CONTRACTORS, PAVING.

Alsens' Portland Cement Works (Sinclair & Babsons) Central building, 143 Liberty (see add p. 121)
Am. Bituminous Rock Co. 45 Broadway
Asphaltic Slag Paving and Roofing Co. 29 Broadway
Baird, M. & J. 339 E. 63d
Barber Asphalt Paving Co. The, 1 Broadway
Beck, Louis J. 58 Cedar
Bolze, Henry, Times bldg. 41 Park row
Chichizzola, Paul, 77 S. Fifth av
Compagnie Generale des Asphalte de France, Ld. E. H. Wootton, 35 Broadway
Coyle, Jos. C. 258 Broadway
Crimmins, J. D. & T. E. 1043 Third av
Culver, Alston G. 426 Amsterdam av
Empire Paving and Construction Co. 24 State
Fitzgerald, Thos. 506 E. 56th
Gearty, T. 52 W. 97th & 417 E. 65th
Granitic Sidewalk & Vitrified Pav. Block Co. 171 Broadway (see add p. 135)
Guidet, Chas. 237 Broadway
Hastings Pavement Co. 140 Pearl
Hilgers, William, 163 W. 104th
Hutchinson, A. J. 150 Broadway
Kelly, Wm. 609 W. 47th
Macknight Flintic Stone Co. 150 Broadway (see add p. 7)
Metallithic Paving Co. 115 Broadway
Mt. Desert Paving Co. Times bldg
Mulry, Jas. B. 23 Rutgers
New, T. Mfg. Co. MacIntyre bldg. 874 Broadway
N. Y. Mfg. & Pavement Co. 15 Broad
North American Pyrogranite Co. 52 W. 15th
Pierce, John, 5 Beekman
Portland Cement Stone Co. Central building, 143 Liberty
Reilly, H. J. 31 & 33 Broadway
Sicilian Asphalt Paving Co. Times bldg. 41 Park row, Henry Bolze, Manager
Slattery, Jas. 218 W. 57th
Smith, John G. 511 W. 57th
Standard Asphalt Co. 54 Wall

Taylor, Matt. Paving Co. 15 State (see add p. 134)
The Neuchatel Asphalt Paving Co. Ltd. 265 Broadway, Robert Butcher, Manager (see add p. 135)
The New York Mastic Co. 35 Broadway
The Schillinger Fire Proof Cement & Asphalt Co. 413 E. 91st
The Wilson & Bailie Manufacturing Co. Aldrich Court 45 Broadway
Union Pavement Co. 45 Broadway
U. S. Artificial Stone Co. Branch Office. 145 Broadway, Chas. H. Colman & Co. (see add p. 137)
Van Orden, Edward & Co. 110 John
Warren-Scharf Asphalt Paving Co. 81 Fulton
Wehn Pavement Co. Central bldg. 143 Liberty
Wilson & Baillie Mfg. Co. Aldrich Court bldg. 45 Broadway
Wootton, Edwin H. 35 Broadway

CONTRACTORS, PORTABLE LIGHT.

Dale Tile Mfg. Co. Ltd. 398 Broome (see add p. 49
Denny Bros. 36 Park pl
The Wells Light, Keegan & Halpin, 44 Washington

CONTRACTORS, SEWERS.

Band, M. &. J. 339 E. 63d
Bours & Coombs, 431 E. 77th
Carr, B. J. High Bridge
Coyle, Jos. C. 258 Broadway
Fay, Michael, 412 E. 103d
Frescoln, S. W. World bldg
Page, Carey & Co. 45 Broadway
Slattery, James, 218 W. 57th
Slattery, John, 368 Park av

CONTRACTORS, STEAM AND LAUNDRY PLANTS AND SUPPLIES.

Bolton, G. & J. R. Imp. Hot Water Heater, Geo. H. Raymond, Manager, 114 Liberty (see add p. 69)
Daley Laundry Machinery and Mfg. Co. 39 Vesey
Empire Laundry Machinery Co. 35 Great Jones
Hospital Supply Co. The, 36 Dey
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add pp. 62, 63)
The A. M. Dolph Co. 40 Cortlandt
The Ball & Wood Co. 15 Cortlandt
Troy Laundry Machinery Co. Ltd. 15 Warren (see add following Plumbing Laws)

CONTRACTORS' SUPPLIES.

Butler Hardware Co. 18 Warren
Claffy, John, 48 Dey
Donegan & Swift, 11 Murray
Fleming Cement and Brick Co. 23 Liberty
Gilbert & Barker Mfg. Co. 90 John
Greene, Tweed & Co. 83 Chambers (see add p. 53)
Person, Orrin D. Mohawk bldg. 160 Fifth av cor. 21st (see add p. 139)
Pierce & Thomas, 42 Cortlandt
Pollock, Alexander, 15 Cortlandt
Pyrible P. 512-524 W. 41st
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add pp. 62, 63)
Tomkins, Calvin, 150 Broadway (see add p. 140)

CONTRACTORS, WATER WORKS.

Barry, J. F. & Co. 52 Willism
Blackmore Heating Co. 88 John (see add p. 66)
Bolton, E. D, 44 Broadway
Clark & O'Brien, 40 Wall
Coyle, Jos. C. 258 Broadway
Dickinson, P. P. 7 Nassau
Frescoln, S. W. World bldg
Gamble, James, 68 Wall
Harris, T. William, 44 Broadway
Lewis-Mercer Construction Co. 38 Wall
Moffett, Hogkins & Clark, 34 Pine
Mullins, Robt. F. 10 Wall
Paige, Carey & Co. 45 Broadway
Reilly, H. J. 31 Broadway
Smith, F. H. 10 Exchange pl
Southern Railway Construction Co. 57 Broadway
U. S. Gas & Water Works Constr. Co. 53 Broadway
White, Wm. Henry, 32 Pine

COPPER AND BRASS TUBING.

Ansonia Brass and Copper Co. 19 Cliff
Bailey, William H. 20 Gold
Benedict & Burnham Mfg. Co. 13 Murray
Eagle Tube Co. 41 Dey
Holmes, Booth & Haydens, 25 Park pl
Manhattan Brass Co. 338 E. 28th
McShane, Henry Mfg. Co. 625-627 Sixth av (see add p. 108)
McNab & Harlan Mfg. Co. 56 John
Randolph & Clowes, 131 Worth
Roberts, Geo. I. & Bros. 471-573 Fourth av (see add pp. 62, 63)
Seoville Mfg. Co. 423 Broome and 22 Murray
Spiral Weld Tube Co. 43 John
Wallace & Sons, 29 Chambers and 5 Reade
Waterbury Brass Co. 296 Broadway

COPPER AND BRASS SEAMLESS TUBES.

American Tube Works, 29 Gold
Ansonia Brass and Copper Co. 19-21 Cliff
Bailey, William H. 20 Gold
Eagle Tube Co. 41 Dey
Fearing, William S. 100 Chambers
Holmes, Booth & Haydens, 25 Park pl
Manhattan Brass Co. 338 E. 28th
McShane, Henry Mfg. Co. 625-627 Sixth av (see add p. 108)
McNab & Harlan Mfg. Co. 56 John
Randolph & Clowes, 131 Worth
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add pp. 62, 63)
Spiral Weld Tube Co. 43 John
Wallace & Sons, 29 Chambers & 5 Reade

COPPER, ARCHITECTURAL WORK AND DESIGNS.

Architectural Sheet Metal Works, 205 E. 99th
Berg, Henry, 2187 Second av
Bickelhoupt, G. 243-245 W. 47th (see add p. 6)
Borkel, John, 44 E. Houston
Brendel, M. 509 W. 28th
Briggs, Alfred A. 122 E. 129th
Droyer, Louis, 339 W. 18th
Matthews, James & Son, 172 E. 110th & 509 E. 18th
Mullins, William H., Julius T. Wagner, manager, 108 Chambers
Hayes, Geo. 71 Eighth av (see add p. 8)
Howard & Morse, 45 Fulton (see add p. 5)
Jochum & Jetter, 148 E. 50th (see add p. 60)
Kervan, Matthew C. 108 W. 27th
Steeger, Henry, 143-145 E. 31st (see add p. 112)
The Prince & Kinkel Iron Works, 729-731 First av (see add p. 51)
Trageser, John, Steam Copper Works, 447 W. 26th (see add p. 111)
Vincent, William E. D. 445 West 45th
Williams, John, 544-556 W. 27th (see add p. 36)
Wines, William D. 44 Centre

COPPER AND METAL SHEETING.

Aluminum Brass & Bronze Co. 53 Chambers
Ansonia Brass & Copper Co. 19 Cliff & 36 Gold
Bleecker, Augustus & Son, 78 Front
Bruce & Cook, 250 Pearl
Donegan & Swift, 11 Murray
Hendricks Bros. 49 Cliff
Mundt, Charles & Sons, 88-90 Walker (see add p. 52)
New Haven Copper Co. 294 Pearl
Randolph & Clowes, 131 Worth
Revere Copper Co. 242 South
Wallace & Sons, 29 Chambers & 5 Reade

COPPER BATH TUBS.

Adee, Fred & Co. 90 Beekman (see add p. 109)
Blessing, Geo. A. 290 Pearl (see add p. 110)
Jochum & Jetter, 143 E. 50th (see add p. 60)
McShane Henry, Mfg. Co. 625-627 Sixth av (see add p. 108)
Mott, Jordan L. Iron Works, 88 Beekman
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add pp. 62, 63)
Steeger, Henry, 143-145 E. 31st (see add p. 112)
Trageser, John, Steam Copper Works, 447-457 W. 26th (see add p. 111)

COPPER BOILERS.

Blessing, Geo. A. & Co. 290 Pearl (see add p. 110)
Fearing, W. S. 100 Chambers
Hepe, Koven & Co. 18 Spruce
Jochum & Jetter, 148 E. 50th (see add p. 60)
McShane, Henry, Mfg. Co. 625-627 Sixth av (see add p. 108)
Randolph & Clowes, 131 Worth
Reisert, A. & Orth, 181 Prince
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add pp. 62, 63)
Ronalds & Co. 54 Cliff
Ross, August Sons, 232 W. 27th
Steeger, Henry, 143-145 E. 31th (see add p. 112)
Trageser, John, Steam Copper Works, 447-457 W. 26th (see add p. 111)

COPPER CORNICE MAKERS.

Albonesi, Anton, jr. 628 Water
Arch Sheet Metal Works, The, 205 E. 99th
Beeker, John C. L. 174 E. 87th
Bickelhoupt, G. 243-245 W. 47th (see add p. 6)
Blechner, Albert, 2985 Third av
Borkel, John, 42 E. Houston
Brandt, Fred. 169 E. 85th (see add p. 106)
Brendel, M. 509 W. 28th
Carey, Henry & Sons, 130 E. 129th
Cortright Metal Roofing Co. 83 Cedar
Dale Tile Mfg. Co. (Ltd.) 398 Broome (see add p. 49)
Dedrens, Louis, 1662 Third av
Dreyer, Louis, 339 W. 18th
Fisher, George & Bro. 209 Forsyth
Flanagan, John, 396 Fourth av
Fritz & Hafner, St. Nicholas av & 140th
Gernett, Adam R. 515 W. 42d
Hagan, Thomas, 227 E. 56th
Hayes, George, 71 Eighth av (see add p. 8)
Hirt & Hangdon, 279 Av. B
Jacob, August, 260 E. 78th
Kraemer, Louis, 98 Norfolk
Matthews, James & Son, 172 E. 110th
Mullins, Wm. H., Julius T. Wagner, manager, 108 Chambers
New York Roofing Co. 437 E. 23d
Northrop, Henry S. 18 Rose
Ottiwell, John D. 199 Third av
Schmidt, Herman, 203 Forsyth

Schwoerer, Anthony, 120 Av. D
Vincent, W. E. D. 445 W. 45th
Werner, Charles, 611 E. 150th
Wines, Wm. D. 44 Centre

COPPER GOODS MFRS.

Aluminum Brass & Bronze Co. Stewart bldg. 53 Chambers
American Tube Works, 20 Gold
Ansonia Brass & Copper Co. 19-21 Cliff
Benedict & Burnham Mfg. Co. 13 Murray
Bridgeport Brass Co. 19 Murray
Burkhard, Thomas, 125 White
Eustus Mfg. Co. 128 W. 24th
Haas, George, 170-172 Centre
Holmes, Booth & Haydens, 25 park pl & 22 Murray
Knapp Mfg. Co. 22-24 Frankfort
Lane Mfg. Co. 350 Canal
Manhattan Brass Co, 338 E. 28th
Mayer, Oscar, 27 Fulton
McShane, Henry, Mfg. Co. 625-627 Sixth av (see add p. 108)
Miller, Thomas, 104 Centre
New Haven Copper Co. 294 Pearl
Osborne & Cheeseman, 39 Barclay
Pfitzner, Leudesdorff & Co. 12 Jacob
Plume & Atwood Mfg. Co. 18 Murray
Randolph & Clowes, 131 Worth
Reisert, A. & F. Orth, 181 Prince and 122 Sullivan
Revere Copper Co. 242 South
Schunemann, C. H. 2-4 Howard
Scoville Mfg. Co. 423 Broome
Seymour Mfg. Co. 100 Chambers
Smith & Egge Mfg. Co. The, 62 Reade, represented by J. J. Halpin
Sternau S. & Co. 85 Centre
Taunton Copper Mfg. Co. 232 South
Wallace & Sons, 29 Chambers
Waterbury Brass Co. 296 Broadway
Westervelt, A. B & W. T. 102 Chambers (see add opposite p. 203)
Zimmermann, C. 189 E. Houston

COPPER HOUSE CONDUCTORS AND GUTTERS.

Albonesi, Anton, jr. 628 Water
Alsfeld, Chris. 296 Third av
Arch Sheet Metal Works, 205 E. 99th
Barbig, E & F. 900 Third av
Becker, John C. L. 174 E. 87th
Blechner, Albert, 2985 Third av
Boll, Oscar, 175 Third av
Borkel, John, 42-44 E. Houston
Briggs, A. A. 122 E. 129th
Carey, Henry & Sons, 130 E. 129th
Chancellor, Henry, 2365 First av
Collins, James H. 204 W. 18th
Dedreux, Louis, 1650 Third av
Dryer, Louis, 339 W. 18th
East River Cornice Works, 806 Fifth
Erzer, Louis, 623 E. 16th
Fischer, Geo. & Bro. r 209 Forsyth
Flanagan, John, 366 Fourth av
Foerster, J. & Son, 806 Fifth
Fritz & Hafner, St. Nicholas av & 140th
Gernett, Adam, 515 W. 42d
Hagan, Thomas, 227-229 E. 56th
Halliday, M. 218 E. 9th
Harrison, Michael & Son, 216 E. 52d
Honey & Co. 116 W. 18th
Jackson Arch. Iron Works, 315 E. 28th (see add p. 31)
Jacob, August, 260 E. 78th
Kramer, Louis, 98 Norfolk
Matthews, Jas. & Son, 172 E. 110th
Metallic Construction Co. 18 Broadway
Morio, Geo. r 124½ Cannon
Moseley Iron Bridge Co. 5 Dey (see add p. 49)
Mulligan, Francis, 116 W. 18th
Mullins, W. H., Julius T. Wagoner, manager, 108 Chambers
Neil, John, 445 W. 16th
New York Roofing Co. 437 E. 23d
Reichert, Christian, 106 Essex
Schmidt, Herman, 203 Forsyth
Schwoerer, Anthony, 120 Av. D
Schwoerer, Jacob, 8 Second
Van Orden, Edward, 110 John
Van Riper, Chas. & Co. 157 E. 126th
Vincent, Wm. E. D. 445 W. 45th
Wagner, J. F. 108 Chambers
Werner, G. F. 408 & 410 E. 77th
Werner, Chas. 611 E. 150th
Wines, W. D. 44 Centre

COPPER MFRS.

Aluminum Brass & Bronze Co. Stewart bldg. 53 Chambers
Ansonia Brass & Copper Co. 19-21 Cliff
Avery, Henry W. 310 Front
Benedict & Burnham Mfg. Co. 13 Murray
Bleecker, A. & Son, 78 Front
Bridgeport Copper Co. 71 Wall
Brooklyn Brass & Copper Co. 100 John
Davol, John & Sons, 100 John
Eureka Tempered Copper Co. 35 Broadway
Hendricks Bros. 49 Cliff
Lewisohn Bros. 81-83 Fulton
New Haven Copper Co. 294 Pearl
Orford Copper Co. The, 37-39 Wall
Park Bro. & Co. (Ltd.) 3 Cliff
Phelps, Dodge & Co. 11 Cliff
Plume & Atwood Mfg. Co. 18 Murray
Randolph & Clowes, 131 Worth
Revere Copper Co. (sheet & bar) 242 South
Scoville Mfg. Co. 423 Broome
Seymour Mfg. Co. 100 Chambers
Slover & Tyler, agents New Bedford Copper Co. 47 South
Taunton Copper Mfg. Co. 232 South
Wallace & Sons, 29 Chambers
Waterbury Brass Co. 296 Broadway

COPPER REFINERS.

Ansonia Brass & Copper Co. The, 19-21 Cliff
Bridgeport Copper Co. The, 71 Wall
Orford Copper Co. The, R. M. Thompson, manager, 37-39 Wall

Copper Tanks.—Copper Wire Manufacturers.—Copper Wire Cloth Manufacturers.—Copper Wire Cloth Manufacturers, Pure.

COPPER RIVET, TACK AND NAIL MFRS.

Bridgeport Brass Co. 19 Murray
Wallace & Sons, 29 Chambers & 5 Reade

COPPER TANKS.

Steeger, Henry, 143-145 E. 31st (see add p. 112)

COPPER WIRE MFRS.

Aluminum Brass & Bronze Co. The, Stewart bldg. 53 Chambers
Ansonia Brass & Copper Co. 19-21 Cliff
Benedict & Burnham Mfg. Co. 13 Murray
DeWitt Wire Cloth Co. 32 Reade (see add p. 26)
Osborne & Cheesman Co. 39 Barclay
Plume & Atwood Mfg. Co. 18 Murray
Wallace & Sons, 29 Chambers
Waterbury Brass Co. 296 Broadway

COPPER WIRE CLOTH MFRS.

Bataille, Achille, 122 W. Broadway (see add p. 23)
Brooklyn Wire Cloth Works, F. G. Richardson, 107 John
Cable, Wm. Excelsior Wire Mfg. Co. 43 Fulton
Clinton Wire Cloth Co. 76 Beekman, George E. Howard, agt
DeWitt Wire Cloth Co. 32 Reade (see add p. 26)
Estey, W. Shepard, 65 Fulton (see add p. 24)
Howard & Morse, 45 Fulton (see add p. 5)
McMurray, R. T. & Bro. 141-143 Centre (see add p. 25)
Wooley & Co. 61 Fulton

COPPER WIRE CLOTH MFRS. PURE.

DeWitt Wire Cloth Co. 32 Reade

DE WITT WIRE CLOTH CO.,

Manufacturers of

Brass and Copper Wire Cloth, &c.,

32 Reade Street, New York.

703 Market St., Philadelphia, Pa.

See Advertisement, page 26.

COPPERSMITHS.

Avery, H. W. 310 Front

HENRY W. AVERY,

COPPERSMITH,

310 Front Street,

Bet. Montgomery St. & Governeur Slip, N. Y.
Manufacturer of Copper Work for Chemical Works, Sugar Houses, Dyers, Steamships, Tug Boats and Hotels. Jacket Kettles, Varnish Kettles, Steam Coils, Etc.
Telephone Call, "Spring 1285."

Avery, Thomas C. 231 South
Baerenklau, Gustav A. r. 172 Forsyth
Bishop, Wm. 210 South
Blessing, Geo. A. Co. 290 Pearl (see add p. 110)
Burkhard, Thomas, 125 White
Calkin, H. C. & J. H. 177 Christopher
Carpenter, Allan, 103 N. Moore

Established 1843.

ALLAN CARPENTER,

COPPERSMITH,

103 North Moore St., near West, New York.

Plumber, Steam Fitter and Sheet Iron Worker. Hurried Repair Work a Specialty.

Chappell, Williams, 86 Pike
Gehrvrich, Herman, 518 Water
Haas, George, 170-172 Centre
Hepe, Koven & Co. 18 Spruce
Hildebrand, F. & Co. 203 E. 93d
Jochum & Jetter, 148 E. 50th

JOCHUM & JETTER,

COPPERSMITHS,

148 E. 50th St., bet. 3d & Lexington Aves., N. Y.

Manufacturers and Dealers in all Kinds of Copper Work for Plumbers, Brewers, Distillers, Hotels, Dyers, Chemical Works, Etc. Repairing Neatly Done. Orders by Mail will Receive Immediate Attention.

ANDREW JOCHUM. GOTTLIEB JETTER.

See Advertisement, page 60.

Jones, T. W. 170-172 Front
Knowles & Kearney, 515-519 W. 13th
Lampe, Adolph, 435 E. 15th
McTague, Patrick, 108 Bayard
McTague & Scheuber, 207 E. 111th
Maisch & Scheubner, 207 E. 111th
Malcolm Robt. 173 Christopher
Martin, Lewis, 194 Greene
Mills, Abner B. 127 Av. D
N. R. Copper Works, 266-267 West
Petterson, John, Coppersmith Works, 102 Market slip
Pfenning, Henry R. 124 Cedar
Reilly, James, 229 West
Reisert, A. & F. Orth, 181 Prince, 122 Sullivan
Ronalds & Co. 54 Cliff
Roos', August, Sons, 232 W. 27th
Schellman, V. M. 139 Spring
Schottky, Alexander, 89-91 Centre
Sheridan, John, 2059 Second av
Spitze, Leopold, 89 Centre
Steeger, Henry, 143-145 E. 31st

HENRY STEEGER,
MANUFACTURER OF
COPPER BOILERS, BATH TUBS,
143 & 145 East 31st Street, New York.
Showers, Closet Pans, Sinks, Foot and Seat Tubs. Dealer in all Kinds of Tinned and Planished Copper.
See Advertisement, page 112.

Stump, George W. 460 Greenwich
Trageser, John, Steam Copper Works, 447-457 W. 26th (see add p. 111)
Trube, P. A. 293 E. 93d
Vetterling, Wm. 221 Centre
Woehrle & Hener, 129 Division
Zimmermann, Chas. 189 E. Houston

COPPERSMITHS' SOLDER.

Ansonia Brass Co. 19 Cliff
Bridgeport Brass Co. 19 Murray
New Haven Copper Co. 249 Pearl

CORD, SASH, MFRS.

Butler Hardware Co. 18 Warren
DeWitt Wire Cloth Co. 32 Reade (see add p. 26)
Samson Cordage Works, Boston, Mass.
Wall's, William, Sons, 113 Wall (see add p. 74)

CORDAGE AND ROPE MFRS

Butler Hardware Co. 18 Warren
Cable Flax Mills, 113 Worth
Corsari, Emil F. 46 Beekman
De Grauw, Aymar & Co. 34-35 South
Elizabethport Cordage Co. 46 South
Glover, Lewis C. 20 Cliff, 245 Pearl
Good, John, 286 Broadway
Hart, A. H. Co. 90 White
Hobart, Frank B. & Co. 92 White
Kelley, Henry C. 548 Pearl
Lawrence Rope Works, 160 Front
Morrell, J. B. & Co. 75 Front
National Cordage Co. 132 Front
Samson Cordage Works, Boston, Mass.

SAMSON
Solid Braided
Sash Cord
IS THE MOST DURABLE & ECONOMICAL.
SEND FOR SAMPLE.
SAMSON CORDAGE WORKS, 115 Congress St., Boston.

Travers, J. P. & Son, 46 Beekman
Tucker & Carter Cordage Co. 98 Pine
Wall's, William, Sons, 113 Wall

WILLIAM WALL'S SONS,
Manufacturers of
CORDAGE
OF ALL KINDS.
113 WALL STREET, NEW YORK.
See Advertisement, page 74.

Waterbury, L. & Co. 132 Front

CORDAGE, BRAIDED.

Butler Hardware Co. 18 Warren
McCoy, Jos. F. Co. 26 Warren
Samson Cordage Works, Boston, Mass.
Wall's, William, Sons, 113 Wall (see add p. 74)

CORNICE MAKERS.

Albonesi, Anton, jr. 628 Water
Alsfeld, Chris, 296 Third
Architectural Sheet Metal Works, The, 205 E. 99th
Becker, John C. L. 174 E. 87th
Bickelhoupt, Geo. 243-245 W. 47th (see add p. 6)
Blechner, Albert, 2985 Third av
Biegen, Adam, 156 Third av
Boll, Oscar, 175 E. 3d
Brandt, Fred. 169 E. 85th

FRED. BRANDT,
CORNICE MAKER,
No. 169 EAST 85th STREET,
NEW YORK.
Wash and Laundry Tubs. Sky-Lights and Cornices. Roofers' Metal.
See Advertisement, page 106.

Brendal, M. 509 W. 28th
Clinton Cornice Works, 628 Water
Conway, D. & Sons, 173 Broadway
Dale Tile Mfg. Co. Ltd. 398 Broome (see add p. 49)
Dreyer, Louis, 339 W. 18th
Ennis, Wm. 152 Sullivan
Federoll, R. 372 Seventh av, 267 W. 35th
Finley, John, 2 Ridge
Flanagan, John, 396 Fourth av
Folts, Wm. 423 E. 17th
Foerster, J. & Son, 806 Fifth
Gundlach, John, 126th & Columbus av
Griggs & Crowley, 294 Sixth av
Hayes, Geo. 81 Eighth av (see add p. 8)
Hupfer, Niklas, 503 E. Houston
Irving, Geo. H. & Bro. 403 W. 24th
Jacob, August, 260 E. 78th
Kamer, Louis, 98 Norfolk
Kerwam, Matthew C. 108 W. 127th
Lagerstedt, Lawrence, 161 E. 86th

L. LAGERSTEDT,
Cornice Maker,
Tin, Slate and Metal Roofer.
Jobbing Attended to Without Delay,
No. 161 EAST 86th STREET, N. Y.

Matthews, J. & Son, 172 E. 110th
Moseley Iron Bridge & Roof Co. 5-7 Dey (see add p. 49)
Murphy, Geo. M. 43 Chambers, 2 Madison
Reichert, Christian, 106 Essex
Rosenbaum, Louis, 275 Delancey
Royce, Herbert A. 1825 Park av
Schwoerer, Anthony, 120 Avenue D
Schwoerer, Jacob, 8 E. 2d

Smith, George, 411 Second av
Walsh, John J. 253 E. 125th
Werner, Geo. F. 406 E. 77th
Wines, W. D. 44 Centre

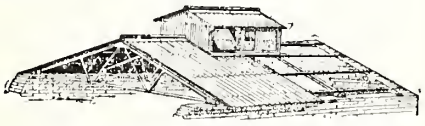
CORRUGATED IRON MFRS.

Abendroth & Root, 28 Cliff (see add opposite Key to Ward Atlas)
Althouse, S. B. & Co. 101-103 Thompson (see add p. 27)
Lyon, W. E. 202 E. 46th (see add p. 46)
Mosely Iron Bridge & Roof Co. 5-7 Dey (see add p. 49)
Schwoerer, J. 8 E. 2d
The Architectural Sheet Metal Works, 205-207 E. 99th
The N. Y. Iron Roofing & Corrugating Co. 29 Broadway (see add p. 51)
Vanderbilt, Geo. 14th & Tenth av
Wines, William D. 44 Centre

CORRUGATED IRON ROOFING.

Althouse, S. B. & Co. 101-103 Thompson (see add p. 27)
Lyon, W. E. 202 E. 46th (see add p. 46)
Mosely Iron Bridge & Roof Co. 5-7 Dey

Corrugated, Beaded and Clap-Board Iron Roofing and Siding.



Iron Buildings, Roofs, Shutters, Doors, Cornices, Skylights, Bridges, &c.
MOSELEY IRON BRIDGE AND ROOF CO.,
Office, 5 Dey Street, New York.
See Advertisement, page 49.

Schwoerer, J. 8 E. 2d
The Architectural Sheet Metal Works, 205-207 E. 99th
The N. Y. Iron Roofing & Corrugating Co. 29 Broadway

H. M. Warren, President. F. L. Warren, Treasurer.
G. M. Maicas, Secretary.
NEW YORK IRON ROOFING AND CORRUGATING CO.,
No. 29 BROADWAY,
Works, Jersey City, N. J. NEW YORK.

Wines, William D. 44 Centre

CORRUGATED METALLIC LATH.

Althouse, S. B. & Co. 101 Thompson (see add p. 27)
Bostwick Metal Lath Co. 38 Park row (see add p. 113)
Central Expanded Metal Co. 67 Reade (see add p. 114)
Cheney & Hewlett, 38 Park row (see add p. 41
Cornell, J. B. & J. M. 141 Centre (see add pp. 35, 37, 39)
Hayes, Geo. 71 Eighth av

THE "HAYES"
METALLIC SKYLIGHTS
And Other Glazed Structures. Also the "Hayes." Corrugated and Plain Metallic Lathing.
71 EIGHTH AVENUE, NEW YORK.
See Advertisement, page 8.

CORRUGATED RUBBER MATTING AND MATS.

Boston Belting Co. 100 Chambers
Gutta Percha & Rubber Mfg. Co. 35 Warren
Mineralized Rubber Co. 18 Cliff
N. Y. Belting & Packing Co. 15 Park row (see add inside front cover)

CRANES.

Birmingham Iron Foundry, 95 Liberty
Butler Hardware Co. 18 Warren
Copeland & Bacon, 85 Liberty
Howard Foundry & Machine Works, 114 Liberty (see add p. 19)
Manning, Maxwell & Moore, 111 Liberty
Maynard, J. Q. 114 Liberty (see add p. 20)

CREOSOTE SHINGLE STAINS.

Cabot, Sam'l, Boston, Mass.
Fisher, Erskine W. Welles bldg, 18 Broadway (see add p. 117)
Fleming Cement & Brick Co. 23 Liberty
Swartz, E. H. 23 Av. A (see add p. 106)

DAMPER REGULATORS.

Aller, A. 109 Liberty
American Steam Specialty Co. 74 Cortlandt
Aspinwall, F. B. 121 Liberty
Hallock Regulator Mfrs. 44 Dey
Hine & Robertson, 45 Cortlandt
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add pp. 62, 63)
Thompson & Bushnell, 120 Liberty

DECORATIONS, ANAGLYPTA.

Nevius & Haviland, 500 W. 42d cor. Tenth av

DECORATIONS, ART, STAINED GLASS.

Allen, Rudolph, 140 W. 23d
Baker, James & Son, 36 Clinton pl
Baldwin, Isaac E. 47 University pl
Booth, Charles, 47 Lafayette pl
Bouche, Henry L. 874 Broadway (see add p. 92)
Bradley & Courrier Co. The (Ltd.), 308 Hudson
Colgate, Edward, 318 W. 13th
Decorative Stained Glass Co. 46 Washington sq. (see add p. 88)
Dougherty, James, 94 S Fifth av
Fischer, Schroeter & Co. 105 W. 42d
Foote, Henry W. 158 S. Fifth av
Freeman & Bolle, 57 S. Fifth av
Gibson, William, Sons, 142 E. 33d
Grout, Edward P. 66 Liberty (see add opposite First Ward)
Guillaume, Quirin, 36 W. 3d
Haggan & Shaw, 125 Fifth av
Hall, J. T. Mohawk bldg. 160 Fifth av, cor. 21st
Heinigke & Bowen, 33-35 E. 12th
Koechig, Julius C. 1424 Broadway
Lamb, J. & R. 59 Carmine
Lawson Bros. 160 W. Broadway
Lumbert, Edward, 102 E. 12th
McMahon, Patrick F. 168 Wooster, n Houston
Matthews Decorative Glass Co. 328-330 E. 26th
Mayer & Co. 20 Murray
Morgan, T. & J. 53 Bleecker
Smith, David, n 1378 Broadway
Smith, J. M. 91 Charles
Tiffany Glass Co. 333 Fourth av
Young, Alexander, 1267 Broadway

DECORATIONS, ARTISTIC.

Aekert & Schroeder, 545 Columbus av
Adamant Mfg. Co. Bennett bldg. Nassau cor. Fulton (see add p. 116)
Aeschlimann & Pellarin, 231 E. 28th
Allard & Sons, 304 Fifth av
Armstrong, Maitland & Co. 61 Washington sq. S.
Ball & Co. 25 W. 42d (see add p. 93)
Baldwin, Chas. E. 567 E. 143d
Bartholomae, H. & Co. 124-126 W. 23d
Batterson, See & Eisele, 431 Eleventh av
Baumgarten, Jacob L. 229 Park row
Baynes Tracery & Mosaic Co. 607 W. 36th
Bazzi, Victor, 825 Sixth av
Beam, Nathaniel B. 112 W. 31st
Beattie, John, 245 W. 46th
Beck, Fred & Co. Seventh av & 29th & 30th & Fifth av
Betlmeser, John, 985 Sixth av
Black, D. 145 E. 128th
Bohnrick, R. J. & Co. 206 Eldridge
Bouche, Henry L. MacIntyre bldg. 874 Broadway (see add p. 92)
Boughton & Terwilliger, cor. Fifth av. and 23d
Bright, Thomas F. 1560 Ninth av
Brown, George & Clifford, 46 E. 14th
Brush, Virginia, 1262 Broadway
Carriere, P. H. 306 E. 40th
Carlin, Wayland, 24 W. 23d
Carter, E. 40 E. 19th
Chapman, R. J. & Co. 383 Lexington av
Chatfield Bros. 874 Eighth av
Clancy, Thomas M. 10 W. 23d
Corbett, J. 1267 Broadway
Cottier & Co. 144 Fifth av
Cubberly, N. S. 696 Columbus av
Dabelstein & Johansmeyer, 345 Columbus av
Davenport, A. H. 299 Fifth av
Davidson Sons Marble Co. Mill and Factory, 250-262 Eleventh av. 558-560 W. 27th, 557 W. 26th. Office cor. Eleventh av and 27th (see add p. 123)
Dawsonamel Co. 9 E. 17th
Deco-Embosso Wall Metal Co. 80 N. Moore
Dietz, Rockett & Co. 42-50 W. 67th
Dillon, Joseph, 857 Sixth av
Douthitt, John F. 286 Fifth av

H. D. DOUTHITT,
STAINED GLASS, TAPESTRIES,
286 Fifth Avenue, New York.
Interior Decorating. Painting, Graining, Kalsomining, Paper Hanging, Frescoing. Designs and Estimates Furnished on Application. The principle upon which our Estimates are based is—"The Lowest Price Consistent with Best Work." Inferior Work we will not Produce at any Price.

See Advertisement, page 91.

Duncan & Johnston, 314 Fifth av
Epple, G. & Son, 20 E. 22d
Ertle, Alois, 164 Prince
Feron, Arthur C. 143 E. 23d
Ficht, C. O. 35 E. 19th
Fischer, Schroeter & Co. 105 W. 42d
Fogazzi, John C. 825 Sixth av
Frank & Moeller, 968 Sixth av
Gehlen, F. & Sons, 102 E. 17th
Genscher, Charles, 954 Sixth av
Glaenzer, Georges A. & Co. 33 E. 20th
Gray, Jenks & Co. 3 Union sq. (see add p. 93)
Hagan & Shaw, 125 Fifth av
Hall & Garrison, 32 Warren
Hall, James T. Mohawk bldg. 160 Fifth av. cor. 21st
Harding, John H. 95 Nassau
Harwood Decor. Co. 63 Park row
Heinigke & Bowen, 33-35 E. 12th
Henay, Wm. H. 1267 Broadway
Herter Bros. 154 Fifth av. cor. 20th
Herzog & Hazard, 95 Fifth av
Hoctor & Co. 1147 Ninth av
Hutchings, Charles A. 35 E. 19th
Hutchings, E. W. jr. 39 Union sq.
Ingress, Maurice, 133 Clinton pl
Italian Marble Mosaic Co. 412 E. 23d
Jones, F. Powell, 3 E. 14th
Keim, John, jr. 251 First av
Kerr & Rasario, 229 W. 32d

KERR & RASARIO,
SCULPTORS.
Models and Decoration in Plaster, Stucco, Papier-Mache and Carton-Pierre. Models made for Bronze, Wood and Stone. Carving in Marble, Wood and Stone. Scale Models of Buildings and Monuments.
Nos. 229-237 West 32d Street., N. Y.

Kilian Bros. 157-159 W. 32d

KILIAN BROTHERS,

MANUFACTURERS OF

Wood Mantels and Architectural Wood Work,

Designs and Estimates Furnished.

OFFICE AND FACTORY;

Nos. 151, 153, 155, 157 and 159 West 32d St., New York.

Kimbel, A. & Sons, 7-9 E. 20th
Koster, C. H. 5 Park pl
Kundert, Emil, 27 E. Houston
Lamb, J. & R. 59 Carmine
Leissner, Eduard, 321 Fifth av
Liesum, G. 106 W. 30th
Linspar Decorating Co. 45 Broadway
Lugar, J. G. & Son, 302 Fourth av
McHugh, Joseph P. & Co. 3 W. 42d
McIntosh, Andrew, 14 E. 15th
Mackintosh, Robert, W. 111 Liberty
Macquehae, Alexander C. 4 Bond
Marcelius & Cubberley, 1617 Ninth av
Martin, Frederick C. 1488 Broadway
Mattoni, Carl, 1321 Broadway
Mayfield, Robert, 939 Sixth av
Minnuck, Wm. 390 Fourth av
Mitchell & Co. 255 W. 42d
Moeller, H. D. & J. 1483 Broadway & 617 Seventh av
Moltzen, Henry, 31 Second av
Moran & Co. 1168 Ninth av
Muller, George & Co 25 E. 61st
National Wood Mfg. Co. 129 Fifth av
New York Flexible Wood Flooring Co. 17 W. 42d (see add p. 92)
Nielson, William, 1535 Broadway
Nimmo, Wilson & Son, 8 E. 60th
Northrop, Henry S. 30 Rose
Ortlieb, M. & Son, 46 W. 67th
Osmitius, Otto & Co. 435 E. 14th
Paltrinieri, Anthony, 1267 Broadway
Parker, Edwin C. 157 Eleventh av (see add p. 100)
Plasterine Co. 412 E. 23d
Pottier, Stymus & Co. 375-377 Lexington av
Pryer, J. T. & Co. 1073 Ninth av
Radley & Greenough, 281 Fifth av & 502 E. 74th
Rafalsky Bros. 140 W. 23d
Ransom, C. S. & Co. 10 W. 28th
Rath, Paul, 523 Lexington av
Reich & Herschel, N. E. cor. 54th & Second av
Rock Plaster Co. of N. Y. 44 Broadway (see add p. 113)
Roth, Frederick & Son, 223 E. 59th
Roux & Co. 133 Fifth av
Rumbold, G. W. & Son, 411 Canal
Rinkel Bros. 7 Ridge
Sammann, Detlef, 1267 Broadway

DETLEF SAMMANN,

ARTISTIC DECORATOR.

STUDIO,

ROOM K, 1267 BROADWAY, N. Y.

TAPESTRY IMITATIONS A SPECIALTY.

Sauer, Jos. 537 Ninth av
Schaettler, F. 245-247 W. 28th
Scharff, Max H. 277 W. 128th
Schastey, Geo. A. & Co. 1681 Broadway cor. 53d
Schoener, Louis, 56 Fourth av
Schultz, Valentine A. 238 E. 4th
Schwabe, Edward J. 985 Sixth av
Sence, L. & Son, 74 University pl
Smith, William H. 173 Fifth av
Society of Decorative Art, 28 E. 21st
Steiner & Hirschfield, 50 E. 59th
Stent, Edward J. N. 18 Broadway
Stereo Relief Mfg. Co. 229-233 E. 41st
Taylor, George R. 1273 Ninth av
The American Encaustic Tileing Co. (Ltd.) 140 W. 23d (see add p. 76)
Tiffany Glass & Decorating Co. 333 Fourth av
Tillinghast, Mary, 3 Washington sq. N.
Traitel Bros. 499 Fifth av

TRAITEL BROS.,

MANUFACTURERS OF

ARTISTIC WROUGHT IRON,

Including Electric and Gas Fixtures, Marble Mosaic Fire Places Goods, and Wood Mantels. Tiles of all Descriptions.

No. 499 FIFTH AVENUE, NEW YORK.

See Advertisement, page 82.

Troeger, A. R. 245 Broadway
Virano & Co. 1267 Broadway
Ward, Marie, 3 E. 14th
Wheeler, Candace M. 115 E. 23d
Wheeler, Danham, 115 E. 23d
Wood Mosaic Co. 315 Fifth av
Yandell, Charles R. & Co. 140 Fifth av & 509 E. 18th
Youngling & Ebmeyer, 982 Sixth av

DECORATIONS, ARTISTIC BRASS WORK.

Andrews Mfg. Co. 76 Fifth av
Archer & Pancoast Mfg. Co 898-900 Broadway
Aetna Iron Works, 298-300 E. 64th (see add p. 51)
Carrere & Haas Iron Works, Lincoln bldg. 1-3 Union sq. cor. 14th
Conover, J. S. & Co. 28-30 W. 2d (see add p. 85)
Edison General Electric Co. Edison bldg. 44-46 Broad
Hecla Architectural Bronze & Iron Works, Pulitzer bldg. show rooms 48-51 (see add p. 28)
Howard & Morse, 45 Fulton (see add p. 5)
Jackson Architectural Iron Works, 315 E. 28th (see add p. 31)
Jackson, Wm. H. 27-29 E. 17th (see add p. 84)
Judd, H. L. & Co. 87 Chambers
Kirtland & Andrews, 46-48 Union sq. cor. Fourth av & 17th (see add p. 83)
Manhattan Brass Co. 338 E. 28th
Martin, B. M. 83 South Fifth av
Mundt, Chas. & Sons, 88 Walker (see add p. 52)
Richey, Brown & Donald, 218-224 N. 11th & 20-22 Roebling, Brooklyn (see add p. 47)
Spadone & Cabaret, 675 Hudson
The Prince & Kinkel Iron Works, 729-731 First av (see add p. 51)

The Aluminum Brass & Bronze Co. 53 Chambers, Stewart bldg.
Westervelt, A. B. & W. T. 102 Chambers (see add p. opposite 203)
Williams, John, 544-556 W. 27th (see add p. 36)

DECORATIONS, ARTISTIC BRONZE WORK.

Andrews Mfg. Co. 76 Fifth av
Archer & Pancoast Mfg. Co. 898-900 Broadway
Artistic Bronze Co. E. 155th & 156th, R. R. av & Morris av
Bonnard, Henry, Bronze Co. 430 W. 16th
Conover, J. S. & Co. 28-30 W. 23d (see add p. 85)
Edison General Electric Co. Edison bldg. 44-46 Broad
Fischer, George & Bro. 209 Forsyth
Hecla Architectural Bronze & Iron Works, Pulitzer bldg. show rooms 48-51 (see add p. 28)
Howard & Morse, 45 Fulton (see add p. 5)
Jackson Architectural Iron Works, 315 E. 28th (see add p. 31)
Jackson, Wm. H. & Co. 27-29 E. 17th (see add p. 84)
Pitt, William R. Composite Iron Works, 83 Reade
Power, Maurice J. office 237 Broadway, foundry 218 E. 25th
The Aluminum Brass & Bronze Co. 53 Chambers, Stewart bldg.
The Prince & Kinkel Iron Works, 729-731 First av (see add p. 51)
Westervelt, A. B. & W. T. 102 Chambers (see add opposite p. 203)
Williams, John, 544-556 W. 27th (see add p. 36)

DECORATIONS, ARTISTIC FURNITURE.

Bouche, H. L. MacIntyre bldg. 874 Broadway (see add p. 92)
Brown, George & Clifford, 46 E. 14th
Cottier & Co. 144 Fifth av
Davenport, Albert H. 299 Fifth av
Degraaf & Taylor, 47 W. 14th
Dietz, Rockett & Co. 42-50 W. 67th
Hagan & Shaw, 125 Fifth av
Hagen, Ernest, 213 E. 26th
Hale & Kilburn Mfg. Co. 94 Fifth av
Hayden Furniture Co. 1 W. 34th
Heren Bros. 154 Fifth av
Herts Bros. 894 Broadway
Hess, D. S. & Co. 876 Broadway
Homan, Andrew Co. 440-450 Water and 191 Canal
Hutchings, C. A. 35 E. 19th
Kertscher & Co. 528-532 W. 24th
Kimbel, A. & Sons, 7-9 E. 20th
Kreidel, Valentine, 402 Fifth av
Krumschied, Ant. 151-153 Eleventh av
Marcotte, L. & Co. 298 Fifth av
Merlini, Joseph, 116 W. 42d

JOSEPH MERLINI,
Importer and Manufacturer of
ART FURNITURE,
Factory, 324 West 26th St., near Eighth Ave.
Office and Showrooms, 116 West 42d St., bet. B'way and 6th Ave., NEW YORK.
(Reproduction of Antique Furniture a Specialty). Upholsterer and Decorator.

Neuman & Co. 263 Fifth av
Palmer & Embury, 20 E. 18th
Passmore, Richard, 204 W. 15th
Phillips, Geo. W. 560 W. 23d (see add p. 101)
Pottier, Stymus & Co. 375 Lexington av
Pyrogravure Wood Co. 230 E. 37th (see add pp. 96, 97)
Radley & Greenough, 16 E. 42d (see add p. 92)
Rhoner, Frank & Co. 437 E. 22d
Rode, Fred. 247 Fifth av
Schastey, Geo. A. & Co. 1681 Broadway cor. 53d
Schwarzwaelder, William & Co. 37 Fulton
Wheelock, James N. 22 E. 18th

DECORATIONS, ARTISTIC IRON WORK.

Aetna Iron Works, 298-300 E. 64th (see add p. 51)
Althouse, S. B. & Co. 101-103 Thompson (see add p. 27)
Archer & Pancoast Mfg. Co. 898-900 Broadway
Bowes, John J. 227-229 E. 29th (see add p. 43)
Carrere & Haas, Lincoln bldg. 1-3 Union sq. cor. 14th
Central Iron Works, 203 E. 30th (see add p. 44)
Conover, J. S. & Co. 28-30 W. 23d (see add p. 85)
Cornell, J. B. & J. M. 141 Centre (see add pp. 35, 37, 39)
Diamonds Architectural Iron Works, W. 33d n Seventh av
Grimm, Richard, 432 E. 18th (see add p. 48)
Hecla Architectural Bronze & Iron Works, Pulitzer bldg. show rooms 48-51 (see add p. 28)
Hafers, Chris. 407 W. 37th (see add p. 34)
Howard & Morse, 45 Fulton (see add p. 5)
Jackson Architectural Iron Works, 315 E. 28th (see add p. 31)
Luetke, Oscar, 652-658 Hudson
Lyon, W. E. 202 E. 46th (see add p. 46)
Marrens, Jos. Sons, 157 E. 44th
Muhl, J. & Son, 329 E. 33d (see add p. 50)
Pitt, William R. Composite Iron Works, 83 Reade
Post & McCord, 102 Broadway (see add p. 33)
Richey, Brown & Donald, 218-224 N. 11th; 20-22 Roebling, Brooklyn (see add p. 47)
Schwoerer, J. 8 E. 2d (see add p. 142)
Stuetzer, H. & Co. 39 Dey (see add p. 40)
The Prince & Kinkel Iron Works, 729-731 First av (see add p. 51)
Westervelt, A. B. & W. T. 102 Chambers (see add p. opposite 203)
Westing, Theo. 449-455 W. 41st
Williams, John, 544-556 W. 27th (see add p. 36)

DECORATIONS, ARTISTIC METAL WORK.

Andrews Mfg. Co. 76 Fifth av
Archer & Pancoast Mfg. Co. 898-900 Broadway
Architectural Sheet Metal Works, 205 E. 99th
Baynes Tracery & Mosaic Co. 607 W. 36th
Bickelhoupt, G. 245-247 W. 47th (see add p. 6)
Borkel, John, 44 E. Houston
Bouche, Henry L. 874 Broadway (see add p. 92)
Briggs, Alfred A. 122 E. 129th
Carey, Henry & Sons, 130 E. 129th
Conover, J. S. & Co. 28-30 W. 23d (see add p. 85)
Hayes, George, 71 Eighth av (see add p. 8)
Kervan, Matthew C. 108 W. 127th
Lyles & Mills, 231 William
McCullum, John & Co. 426 Washington
Manhattan Brass Co. 338 E. 28th
Matthews, James & Son, 172 E. 110th & 509 E. 18th
New York Metal Ceiling Co. 36-38 Eleventh av
Northrop, Henry S. 30 Rose
Richey, Brown & Donald, 218-224 N. 11th, 28-30 Roebling, Brooklyn (see add p. 47)
Sack, Geo. F. 114 W. 39th
Schwoerer, Jacob, 8 E. 2d (see add p. 142)
The Plenty Horticultural & Skylight Works, Central bldg. 143 Liberty
The Prince & Kinkel Iron Works, 729-731 First av (see add p. 51)
Williams, John, 544-556 W. 27th (see add p. 36)
Wines, William D. 44 Centre
Wunzer, John E. 96 John

DECORATIONS, ARTISTIC PAINTING.

Anspacher, Herman, 1360 Lexington av
Beattie, John, 245 W. 46th
Chapman, R. J. Co. 383 Lexington av
Collier, Charles C. 270 Eighth av
Dabelstein & Johansmeyer, 345 Columbus av

Henry F. Dabelstein Theo. C. Johansmeyer.

DABELSTEIN & JOHANSMEYER,

DECORATIVE PAINTERS,

ARTISTIC RELIEF, FINE WALL HANGINGS.

345 Columbus (9th) Ave.,

Near 76th Street, NEW YORK.

Dickinson & Watson, 154 E. 23d
Dillon Bros. 1032 Third av
Douthitt, Fifth av (see add p. 91)
Fischer, Schroeter & Co. 105 W. 42d
Fisher, E. J. 39 E. 19th
Gariboldi & Ronzone, 5 W. 42d
Hall, J. T. Mohawk bldg, 160 Fifth av, c. 21st
Henderson Brothers, 2 W. 125th
Jacobsen, Henry A. 242 W. 23d
Jones, John M. 2 W. 14th, 337 W. 19th
Jones & Rathbun, 854 Sixth av
King, Thomas & Son, 54 W. 13th
Kruger, Julius W. 259 Third av, 204 E. 19th
Le Brocq & Co. 45 E. 12th, 72 W. 36th
Levy, M. R. & Co. 27 Wooster
Linde, William, 907 Sixth av
Link & Klein, 583 Amsterdam av
McHugh, Joseph P. 3 W. 42d
Mapes, William H. 924 Eighth av, 1585 Second av
Margerin, William, 1374 Broadway, 689 Sixth av
Mathiew, August N. 1267 Broadway, r. 606 Eighth av, 327 W. 42d
Miller & Co. 1221 Lexington av
Miller & Kerr, 695 Amsterdam av
Moeller, H. D. & J. 617 Seventh av
Mulligan Brothers, 422 Eighth av
Murray's, P. Sons, 107 W. 27th
Newman, Charles H. 2109 Seventh av
O'Connor, John E. 66 W. 10th
Osterhaus, Wm. H. & Bro. 266 W. 116th
Phillips, Henry M 310 Eighth av
Pulvermacher, J. & Co. 43 W. 63d
Randall, George, 109 Columbia
Reid, George & Co. 171 E. 84th
Reid Bros. 1472 Third av
Rhoden & Cardell, 1344 Amsterdam av
Sarre & Le Lacheur, 45 W. 29th
Schefer, William & Co. 463 Third av
Scott, Walter & Co. 272 West 125th
Shaw, William J. 116 W. 39th
Studley, James H. jr. 155 W. 28th
Taylor & Co. 117 W. 38th
Thiel & Moser, 1392 Broadway
Vanhorn, Martin L. 104 W. 29th
Voss, Adelbert, 641 Sixth av
Wall, Frederick A. 86 W. 126th
Weinberg & Klein, 1376 Third av
Wiggins, George, 2204 Seventh av
Woodward, Charles H. 2521 Eighth av

DECORATIONS, ARTISTIC WALL PAPER.

Ball & Co. 25 W. 42d

BALL & CO.,

Artistic Paper Hangings,

No. 25 WEST 42d STREET,

SKILLFUL WORKMAN SENT TO ALL PARTS OF THE COUNTRY.

See Advertisement, page 93.

Beck, Fred. & Co. cor. Seveth av & 29th, 30th & Fifth av
Bouche, Henry L. MacIntyre bldg. 874 Broadway (see add p. 93)
Boston Wall Paper Co. 487 Fifth av
Campbell, Wm. & Co. 518 W. 42d, 509 W. 41st
Davenport, A. H. & Co. 299 Fifth av
Gledhill, Richard, 243 Fifth av
Graves, Robt. C. 483 Fifth av
Hall, J. T. Mohawk bldg. 160 Fifth av. cor. 21st
Linbacher, Phillip C. 206 E. 37th
McHugh, Joseph P. & Co. 3 W. 42d
Nevius & Haviland, 42d & Tenth av
Taylor, T. Lanning, 705 Sixth av
Union Wall Paper Co. 482 Third av
Warren, Lange & Co. 129 E. 42d

DECORATIONS, ECCLESIASTICAL.

Booth, Charles, 47 Lafayette pl
Bouche, Henry L. MacIntyre bldg, 874 B'dway (see add p. 93)
Colgate, Edward, 8 Gansevoort
Crowninshield, Frederick, 42 W. 18th
Decorative Stained Glass Co. 46 Washington sq. So. (see add p. 88)
Gibson's, William, Sons, 142 E. 33d
Grout, Edward P. 66 Liberty (see add opposite First Ward)
Hagan & Shaw, 125 Fifth av
Hall, J. T. Mohawk bldg, 160 Fifth av, c. 21st
Heinigke & Bowen, 33 E. 12th
Herter Brothers, Fifth av & 20th
Lamb, J. & R. 59 Carmine
McMahon, P. F. 168 Wooster
Maitland, Armstrong & Co. 61 Washington sq So
Mayer & Co. 20 Murray
Lamb, J. & R. 59 Carmine
Smith, David N. 1378 Broadway
Theis & Janssen, 413-415 E. 25th (see add p. 127)
Tiffany Glass Co. 333 Fourth av
Young, Alexander, 1267 Broadway

DECORATIONS, EMBOSSING, ETC.

Ball & Co. 25 W. 42d (see add p. 93)
Bartholomae, H. & Co. 124-126 W. 23d
Baynes Tracing & Mosaic Co. 607 W. 36th
Beck, Fred. & Co. 29th & Seventh av, 30th & Fifth av
Bouche, Henry L. MacIntyre bldg, 874 B'dway (see add p. 93)
Chapman, R. J. Co. 383 Lexington av
Dabelstein & Johansmeyer, 345 Columbus av
Hagan & Shaw, 125 Fifth av
Herter Brothers, 20th & Fifth av
Linde, William, 907 Sixth av
Linspar Decorative Co. 45 Broadway
McHugh, Joseph P. & Co. 3-5 W. 42d
Warren, Lange & Co. 129 E. 42d

DECORATIONS, LINCRUSTA WALTON.

Beck, Fred. & Co. 29th & Seventh av, 30th & Fifth av

DECORATIONS, LINSPAR.

Linspar Decorative Co. 45 Broadway

DECORATIONS, MOORISH FRET WORK.

Davidson Sons Marble Co. Eleventh av & 27th (see add p. 123)
Dietz, Rockett & Co. 42-50 W. 67th
Gehlen, F. & Sons, 102 E. 17th
Herter Brothers, 20th & Fifth av
Outwater, Edwin, 525 W. 23d
Ransom, C. S. & Co. 10 W. 28th
Schaettler, F. 245-247 W. 28th
Stout, James N. 74 W. 23d

DECORATIONS ON GLASS (INTERIOR).

Bouche, Henry L. MacIntyre bldg, 874 B'dway (see add p. 93)
Colgate, Edward, 318 W. 13th
Decorative Stained Glass Co. 46 Washington sq. S (see add p. 88)
George, C. H. & Co. 125 Fifth av
Gibson, Wm. Sons, 142 E. 33d
Grout, Edward P. 66 Liberty (see add p. opposite First Ward)
Heinigke & Bowen, 33-35 E. 12th
Herter Bros. 20th & Fifth av
Lamb, J. & R. 59 Carmine
Matthews Decorative Glass Co. 328-330 E. 26th
Tiffany Glass Co. 333 Fourth av

DECORATIONS, ORNAMENTAL AND ARTISTIC WOOD WORK.

Bouche, Henry L. MacIntyre bldg, 874 B'dway (see add p. 93)
Boughton & Terwilliger, 23d & Fifth av

BOUGHTON & TERWILLIGER
No. 3 WEST 23d STREET,
Under Fifth Avenue Hotel NEW YORK.
Largest Manufacturers in the World.
Wood Carpet, Parquetry Floors, Wainscots, Ceilings, Folding and Fire Screens. Boughton's Patent Mosquito and Fly Screens; also Screen Frames for Windows and Doors. Manufactory, 1211, '13, '15, '17, '19, '21 & 23 Noble St. Philadelphia Store, 1207 Chestnut Street.

Bradley & Courier, The, Co. Ltd. 308 Hudson
Dietz, Rockett & Co. 42-50 W. 67th
Gehlen, F. & Sons, 102 E. 17th
Gray, Jenks & Co. 3 Union sq (see add p. 93)
Hall & Garrison, 32 Warren
Hall, J. T. Mohawk bldg, 160 Fifth av c. 21st
Herter Brothers, 20th & Fifth av
Kilian Bros. 157-159 W. 32d
Kirtland & Andrews, 46-48 Union sq c. 17th (see add p. 83)
Kimbel, A. & Sons, 7-9 E. 20th
Krunschild, Ant, 151-153 Eleventh av
Little, C. E. 59 Fulton (see add p. 10[illegible])
Mertz, George, Sons, Portchester, N. Y. (see add pp. 98, 99)

New York Flexible Wood Flooring Co. 17 W. 42d (see add p. 92)
Outwater, Edwin, 525 W. 23d
Parker, E. C. 157 Eleventh av

EDWIN C. PARKER,
MANUFACTURER OF
Natural Wood Embossed Ornaments
157 ELEVENTH AVE., near 22d St., N. Y.
Duplicates of Hand Carving. Embossed Mouldings, Borders, Corner Blocks, Panels and Rosettes. Papyrus Ceiling Centres. Send for New Catalogue, 1892.
See Advertisement, page 100.

Phillips, Geo. W. 560 W. 23d (see add p. 101)
Prince & Muir, 501-505 E. 70th
Pottier, Stymus & Co. 375 Lexington av
Pyrogravure Wood Co. 230 E. 37th (see add pp. 96, 97)
Radley & Greenough, 16 E. 42d (see add p. 92)
Ransom, C. S. & Co. 10 W. 28th
Schaettler, F. 245-247 W. 28th
Schastey, George A. & Co. 451 W. 53d and 1681 Broadway
White, Potter & Paige, 18 E. 17th
Wood Mosaic Co. 315 Fifth av

DECORATIONS, ORNAMENTAL SCULPTURE AND PLASTER WORK.

Acor, James H. 207 E. 125th
Adamant Mfg. Co. Bennett bldg, cor. Nassau & Fulton (see add p. 116)
Aschlemann & Pellasin, 331 E. 28th
Berger, Emil, 117 W. 100th
Berger's, H. Sons, 101 Fourth av
Borden, John, 537 Seventh av
Bouche, Henry L. MacIntyre bldg. 874 Broadway (see add p. 93)
Bremner, John, 871 Third av
Caumont, Eugene J. 64 Washington sq So
Dalli, Christopher, 129 Thompson
Douglass, Dolan & McMaster, Jackson av n E. 184th
Ellin, Kitson & Co. ft. 25th N. R.
Eltrich Art Tile Co. 106 Beekman
Fischer, Schroeter & Co. 105 W. 42d
Fitzgerald, James, 249 Seventh av
French, James, 650 Columbus av
Gariboldi & Ronzone, 5 W. 42d
Gibson's, William, Sons, 142 E. 33d
Green, Martin, 752 Seventh av
Greene, Michael C. 1768 Broadway
Hall, J. T. Mohawk bldg. 160 Fifth av. cor. 21st
Jones, Henry, 54 Great Jones
King, J. B. & Co. (King's Windsor Cement), 21-24 State (see add p. 115)
Klee Bros. 202 E. 42d
Lamb, J. & R. 59 Carmine
Linde, William, 907 Sixth av
Linspar Decorative Co. 45 Broadway
Marcellus, Lawrence N. 52 Ninth av
Mehrtens, John, 931 Sixth av
Morrison, J. & J. 331-335 E. 42d
Mulrane & Long, 908 Sixth av
Mycenian Marble Co. Office & Works, 525-533 W. 59th (see add opposite p. 200)
Nielson, William, 1535 Broadway
Plasterine Co. 412 E. 23d
Pottier, Stymus & Co. 375 Lexington av
Power Brothers, 1764 Broadway
Reed, George M. 17 E. 17th
Rock Plaster Co. 44 Broadway (see add p. 113)
Ryan, Michael, 727 Seventh av
Sinclair's, H. Sons, 327 Seventh av
Stereo Relief Decorative Co. 229 E. 41st
Stewart, John, 1003 Park av
The Grooved Plaster Slab Mfg. Co. 2 W. 14th
The International Rock Plaster Co. 44 B'dway (see add p. 113)
Tocher, Francis, 158 E. 36th
Tyson, Noble P. 629 Ninth av
Urbani, Theodore, 123 Crosby
Vaunett, John, 327 W. 41st
Wait, Richard, 2 Sullivan
Wall, Charles, 201 E. 126th
Walthausen, John H. A. 454 W. 41st

DECORATIONS, PAPIER MACHE.

Adt Bros. 536 Broadway
Bachman Bros. 102 Cedar
Berger, H. Sons, 101 Fourth av
Bouche, Henry L. 874 B'dway, MacIntyre bldg, (see add p. 93)
Dessart Bros. 110 Chambers
Ellin, Kitson & Co. ft. 25th & N. R.
Fischer, Schroeter & Co. 105 W. 42d
Gibson's, Wm. Sons, 142 E. 33d
Hall, J. T. Mohawk bldg, 160 Fifth av c. 21st
Henry Bros. r 223 E. 23d
Klee Bros. 202 E. 42d

KLEE BROTHERS,
Modelers,
Ornamental Stucco, Paper Maché and Composition Work.
ARTIFICIAL MARBLE.
202 EAST 42d STREET, NEW YORK.

Morrison, J. & J. 233 E. 42d
Mycenian Marble Co. Office & Works, 525-533 W. 59th (see add opposite p. 200)
Nelson, Wm. 1535-1537 Broadway
Plasterine Co. 154 W. 27th
Poli, Joseph A. 145 Wooster
Shannon, Miller & Crane, 46 Maiden la
Sinclair, H. Sons, 327 Seventh av
Spiesser, Ollamar, r 103 Second
The Stereo Relief Mfg. Co. 229-231 E. 41st

DECORATIONS, PLASTERINE.

Berger & Sons, 101 Fourth av
Gibson's, William, Sons, 142 E. 33d
Morrison, J. & J. 233 E. 42d
Plasterine Co. 412 E. 23d
Sinclair, H. Sons, 327 Seventh av
The Stereo-Relief Mfg. Co. 229-233 E. 41st

DECORATIONS, ROMAN AND VENETIAN MARBLE MOSAICS.

Aschlemann & Pellarin, 231 E. 28th
Batterson, See & Eisele, 431 Eleventh av
Baynes Tracery Mosaic Co. 607 W. 36th
Conover, J. S. & Co. 28-30 W. 23d (see add p. 85)
Davidson Sons Marble Co. Eleventh av. and 27th (see add p. 123)
Fisher, Robert C. & Co. 97-103 E. Houston
Herter Bros. Fifth av and 20th
Italian Marble Mosaic Co. 412 E. 23d
Jackson, William H. & Co. 27-29 E. 17th (see add p. 84)
Lamb, J. & R. 59 Carmine
North American Pyrogranite Co. 52 W. 15th

DECORATIONS, STEREO-RELIEF.

Bouche, Henry L. MacIntyre bldg. 874 Broadway (see add p. 93)
Gibson's, William, Sons, 142 E. 33d
Morrison, J. & J. 331-335 E. 42d
Sinclair's, H. Sons, 327 Seventh av
The Stereo-Relief Mfg. Co. 229-233 E. 41st

DECORATIONS, TAPESTRIES, ETC.

Bouche, Henry L. 874 Broadway (see add p. 93)
Gehlen, F. & Sons, 102 E. 17th
Hagan & Shaw 125 Fifth av
Johnson & Faulkner, N. Union sq
Koster, C. H. 5 Park pl
Schumacher, F. 935 Broadway
See, Bald. A. 1060 Third av

DECORATIONS, TILES, EMBOSSED AND MOSAIC.

American Encaustic Tiling Co. (ltd.) 138-140 W. 23d (see add p. 76)
Conover, J. S. & Co. 28-30 W. 23d (see add p. 85)
Dale Tile Mfg. Co. ltd. 398 Broome (see add p. 49)
Davidson Sons Marble Co. Eleventh av. and 27th (see add p. 123)
Eltrich Art. Tile Co. 106 Beekman
Fisher, Robert C. & Co. 97-103 E. Houston
Henigke & Bowen, 33-35 E. 12th
Herter Bros. Fifth av and 20th
Jackson, William H. & Co. 27-29 E. 17th (see add p. 84)
Menlo Park Ceramic Works, Jer. Smith, Prop. Metropolitan Life Ins. blg. 23d and Madison av (see add p. 131)
New York Vitrified Tile Co. 81 4th, Brooklyn (see add p. 77)
Traitel Bros. 499 Fifth av (see add p. 82)

DECORATIVE ART MARBLES.

Aschlemann & Pellarin, 231 E. 28th
Batterson, See & Eisele, 431 Eleventh av
Conover, J. S. & Co. 28-30 W. 23d (see add p. 85)
Davidson Sons Marble Co. Eleventh av. and 27th (see add p. 123)
Fisher, Robert C. & Co. 97-103 E. Houston
Herter Bros. 20th and Fifth av
Jackson, William H. & Co. 27-29 E. 17th (see add p. 84)
Klaber, S. & Co. 47 W. 42d
Lamb, J. & R. 59 Carmine
Mycenian Marble Co. 529 W. 59th (see add p. opposite p. 200)
North American Pyrogranite Co. 52 W. 15th

DECORATIVE FINE ART.

Ball & Co. 25 W. 42d (see add p. 93)
Bonnard, Henry, Bronze Co. 430 W. 16th
Bouche, Henri L. MacIntyre bldg. 874 Broadway (see add p. 93)
Herter Bros. 20th and Fifth av
Hutchins, C. A. 35 E. 19th
National Fine Art Foundry, 237 Broadway, 215 E. 25th
Tiffany Glass Co. 333 Fourth av

DESIGNERS AND DRAUGHTSMEN.

Albro, Geo. A. 56 Worth
Ames & Rollinson, 202 Broadway
Amon, C. 169 William
Ashe & Kramer, 4 Bond
Barnes, Joshua, 130 Fulton
Barrett, Leon, 82 Nassau
Beach, J. W. 45 Broadway
Beadle, W. E. 83 Beaver
Beard, D. C. 110 Fifth av
Benjamin, Charles W. 21 Park row
Bennett, R. L. 77 Grand
Bergen, H. Sons, 101 Fourth av
Bouche, Henri L. 874 Broadway (see add p. 93)
Bowen, Wilmer E. 5 Beekman
Broughton, Charles, 23 E. 14th
Buckler, John, 38 Park row
Butler, Max E. 60 Cedar
Chandler, William H. 14 John
Christensen, H. B. 33 Murray
Clark, Norris A. 36 Wall
Comings, Darwin, 150 Nassau
Conklin, David B. 82 Nassau
Cortes, Auguste, 18 E. 14th
Costain, Ernest A. 76 W. 35th
Coughlin, William H. 58 Cedar
Crawford, W. E. 55 Liberty
Cusachs, Phillip, 90 Nassau
Daecke, E. 10 E. 14th
Debarry, Joseph S. 74 Fulton
Deck & Meyner, 55 Frankfort

Dietrich, Gustave, 229 Broadway
Donlevy, Alice, 23 E. 14th
Dulk, Robert, 7 W. 14th
Dunk, W. M. 102 Chambers
Durkin, John, 112 Fifth av
Ehardt, Ferdinand, 19 Park pl.
Ehrle, Ed. 1111 Second av
Faber, J. 95 Fifth av
Feraud, Ferdinand A. 154 Nassau
Fleming, T. 150 Nassau
Fisher, August E. 365 Eighth av
Folsom, George, 115 Nassau
Gardner, David W. 5 Beekman
Gelbach, Charles G. 10 E. 14th
Giles, J. Lawrence, 48 Beekman
Goebel, Wm. 63 Park row
Goge, Alexander M. Pier A. N. R.
Gouvernel, J. 67 Grand
Gutmann, Max, 757 Broadway
Halm, G. R. 22 E. 17th
Hamilton, William E. 9 Murray
Hanman, Charles, 115 Broadway
Hartwell, H. E. 3 Union sq.
Hauser, Isidore, 56 Worth & 39 Thomas
Heilawell, Henry E. 271 Broadway
Heilmen, John, 7 Warren
Hertwig, Theodore, 710 E. 134th
Higgins, A. Sidney, 42 Franklin
Hopkins, J. H. 19 Beekman
Hyatt, Charles C. 82 Nassau
Illg & Howard, 6 E. 14th
Irving, F. K. 39 Nassau
Isaacs, Solomon, 56 Worth
Jesbra, Anthony N. 26 Cooper Union
Johnson, William M. 237 Broadway
Judson & Gordon, 10 E. 14th
Keine, J. 93 Maiden la
Kendrick, Charles, 271 Broadway
Kiefer, Edwin H. 3 E. 14th
King, E. A. 218 Fulton
King, Franklyn, 218 Fulton
Kingman, Eugene, 271 Broadway
Kittel, R. & Co. 113 Elm
Koehler, F. W. 7 Warren
Kunze, Ignatz, 599 Broadway
La Parge, J. 51 W. 10th
Lathrop, Francis, 63 Washington sq
Lawrence, H. M. 60 Cedar
Liebler, Alfred C. 58 Ann
Lowe, William A. 84 Nassau
Lunz, Alvis, 37 College pl
Lutz & Sauer, 100 Church
McIlugh, Joseph P. & Co. 3 W. 42d
Mecabe, Frederick W. 3 E. 14th
Meeker, Edwin J. 6 W. 14th
Memfield, R. 7 W. 14th
Metcalf, George R. 58 Ann
Metzger, Frank B. 113 Fulton
Meyer, Arthur, 115 Nassau
Meyer, Louis, 57 Grand
Miller, Charles W. 680 E. 143d
Moessner, Thos. F. 757 Broadway
Morley, Albert, W. jr. 237 Broadway
Muchlenthal, Benno, 212 Pearl
Murray, Arthur, 58 Ann
Myers, Frank, 81 Times bldg
Nelson, John F. 234 Broadway
Nelson, Wm. G. 61 Fulton
Neuburg, Otto, 7 Murray
Nichols, Harley D. 30 E. 14th
Norman, Adolphus P. 14 John
Ogg, S. R. 80 Nassau
Oram, L. 81 Nassau
Ostrander, Willie, 150 Nassau
Patterson, Herman E. 4 New Chambers
Pezelt, Frank, 12 Old slip
Phillips, Charles E. 658 Broadway
Pinguet, Hector, 113 Clinton pl
Post, Carroll J. jr. 140 Nassau
Read, A. D. 21 Beekman
Redwood, Allen C. 6 W. 14th
Renault, Louis, 318 Broadway
Richardson, William H. 58 Ann
Rollinson, Charles, 240 Broadway
Rose, A. M. & Co. 3 Union sq
Roush, L. L. 19 E. 14th
Rowland, E. C. 206 Broadway
Rummell, Richard W. 7 Warren
Rummler, Alexander J. 3 E. 14th
Sammarn, D. 1267 Broadway
Saulson Designing Co. 733 Broadway
Schell & Hogan, 335 Broadway
Schelel, A. 84 Nassau
Schoeneck, Charles C. 48 Beekman
Searle, Charles R. 23 Murray
Sickels, Charles E. 280 Broadway
Siebert, Chas. H. 19 Park pl
Smith, C. McKnight, 1 Beaver
Smith, William C. 140 Nassau
Society of Associated Designers, 125 Bible house
Spedon, Samuel M. 317 Broadway
Steidel & Co. 58 Ann
Stein, Gustav J. 102 Chambers
Sternfeld, Julius, 34 E. 20th
Stimpson, G. Adolphus, 195 Broadway
Sutherland, F. W. 835 Broadway
Toaspern, Herman, jr. 271 Broadway
Trippett, W. H. 204 W. 23d
Troy, Henry W. 12 E. 15th
Vanderhoof, Chas. A. 52 E. 52d
Weightman, W. H. 35 Warren
Willing, Thompson, 757 Broadway
Wilson, Victor T. 32 Park pl
Wolverton, Chester, 12 Bridge
Wood, Thaddeus E. 80 Nassau
Woolley, John, 2 W. 14th

DESKS AND OFFICE FURNITURE.

American Store Stool Co. 25 Howard
Andrews Mfg. Co. 76 Fifth av
Barnes, Ambrose E. & Bros 198 Canal
Barnutz & Diehl, 145 Seventh av
Benkiser & King, 74 Nassau
Brown, George & Clifford, 46 E. 14th
Centennial Desk Mfg. Co. 638 E. 12th
Clark, Francis D. 38 Cortlandt and 135 Broadway
Derby & Kihner Desk Co. 19 Beekman
Flaeschenhaar, L. 49 Frankfort
Finn Bros. 60 Elm
Geary, John W. 304 Broadway
Harburger, Simon, 438 Canal
Herrmann Desk Co. 368 Broome and 135 Mangin
Kehr, Peter, 5 Beekman
Kellner, John A. 113 Nassau
Kertscher & Co. 528-532 W. 24th
Krenrich & Kemmer, 240 E. 44th
Lambie, Robert M. 39 E. 19th
Lane & Co. 215 Park row

Lingeman, Hoffman & Co. 195 Chrystie
McDonald, James, 79 Nassau
Mason, Eugene A. 62-72 William
Office Specialty Mfg. Co. 52 Reade
Packenham, Thomas J. 30 Liberty
Quigley Furniture Co 214 Church
Richter, Louis A. 39 Broadway
Rothschild, Samuel, 436 E. 10th
Schwarzwaelder, William & Co. 37 Fulton
Sellew, T. G. 111 Fulton and 58 Ann
Shay, Louis F. 29 John
Smith, Thos. jr. 220 Centre
Souto, B. & Co 161 Front
Tufts, John M. 83 Nassau
Vallely, Patrick W. 65 Nassau
Vandewater, John W. 43 Liberty

DIES AND TOOLS.

Armstrong Mfg. Co. 242 Canal
Ashcroft Mfg. Co. 111 Liberty
Bender, P. J. & Sons, 95 Cliff
Bramburg, Charles, 91 Cliff
Carr, M. W. & Co. 419 Broadway
Cavagnaro, J. & F. 216 Centre
Curtis, Chas. L. 143 Centre
Dewes, A. 245 Centre
Garvin Machine Co. The, Laight and Canal
Hanan, Marcus, 65 Park
Hass, Theodore M. 176 Centre
Hibberd & Spinner, 24 Cliff
Howard Foundry & Mach. Works, 114 Liberty (see add p. 19)
Kunze, Charles, 209 Centre
Loyd, John, 558 562 Water
Mead I. V. 370 Ave. A. (see add p, 107)
Penderson, J. T. 158 W. 27th
Schoolfield, R. L. 280 Pearl
Sheffler, Eugene, 207 Centre
Smith, F. B. & Horst, 96 Fulton
Smith Egge Mfg. Co. The, 62 Reade, J. J. Halpin, Agent
Stimpson, E. B. & Son, 31 Spruce
Thompson, Frank, 178 Centre

DISC FANS.

Aller & Co. 109 Liberty
Beggs, James & Co. 9 Dey
Donegan & Swift, 11 Murray
Howard & Morse, 45 Fulton (see add p. 5)
Sturtevant, B. F. Co. 91 Liberty
Wing, L. J. & Co. 126 Liberty (see add opp. 2d Ward

DISINFECTANTS.

Allen, James M. 280 Pearl
Am. and Continental Sanitus Co. ltd. 642 W. 55th
Annable, Geo. A. 50 Exchange pl
Burtis, Leonard J. jr. 290 Hudson
Cabot, J. F. 78 William
Carrington & Co. 52 W. 22d
Cresgl-Jaynes Sanitary Compounds Co. 15 Cortlandt
Germicide Co. 862 Broadway
Home Vapor Bath & Disinfector Co. 15 Broad
Hygera Protective Co., 52 W. 22d
Ideal Sanitary Co. 63 Beach
Lewy, Solomon, 5 Great Jones
Manhattan Chem. Co. 71 W. Broadway
Moore Albert, 144 W. 19th
Platt, H. B. 36 Platt
Robbins, Marshall, 70 E. 13th
Rochester, Disinfectant Co. 136 Liberty

ROCHESTER DISINFECTANT CO.,
INCORPORATED.
Sole Manufacturers of Standard Disinfectants
New York Office, 136 Liberty St., Room 301.
FACTORY, ROCHESTER, N. Y.
See Advertisement, page 22.

Sherman King Vap. Co. 59 Fifth av
Stuart, M. J. & Co. 130 Maiden lane
West, Robt. S. 890 First av
White Tar Co. 125 Warren
Woodcock, Reginald C. 636 W. 55th
Worden & Walter, 280 Pearl

DOCK BUILDERS.

Brainard Bros. 24 State
Cregin, Charles A. 44 Broadway
Crimmins, J. D. & T. E. 1043 Third av
Dale, Henry, 523 W. 43d
Doremus, H. M. 71 Broadway
Dubois, Henry, Sons, 119 South
Fearon & Jenks, 62 South
Flaherty, John W. 41 Peck sl
Gillies, John & Son, 31 Broadway
Handren & Robbins, 126 Washington
Hedden, V. J. 143 Liberty
Howell, A. J. 336 W. 19th
Kelley, Bernard & Son, 187 West
McLean, C. 415 Broadway
Monks, John & Son, 130 Water
No. Amer. Pyrogranite Co. 52 W. 15th
N. Y. Balance Dock Co. 3 Broad
N. Y. Stone Contracting Co. 113 E. 25th
Roosevelt, Warren, 16 Beaver
Simpson, J. E. & Co. 35 Broadway
Sooysmith & Co. 2 Nassau
Staats, R. P. & J. H. 29 Broadway (see add p. 133)
Suffern, E. L. 50 Broadway
Walls & Vanriper, 157 E. 126th
Walsh, T. & A. 114 Wall
White, I. Eugene, 16 Beaver

DOCK BUILDERS, DRY.

Bouker Contracting Co. 110 Wall

BOUKER CONTRACTING CO.,
Contractors and Furnishers of
STONE, &c.,
No. 110 WALL STREET.
See Advertisement, page 141.

Simpson, J. E. & Co. 35 Broadway
Staats, R. P. & J. H. 29 Broadway (see add p. 133)

DOOR CHECK AND SPRING MFRS.

Akbon Mfg. Co. 59 Fifth av
Bardsley, Joseph, 149-151 Baxter
Butler Hardware Co. 18 Warren
Coiled Wire Belting Co. 93 Cliff
Miller & Van Winkle, 102 Walker
Moore, G. T. 112 Chambers
Morton Door Check & Spring Co. 39 Dey
Nourse, Fred. 166 W. 27th
Peek, Stow & Wilcox Co. 27 Chambers
Sargent & Co. 37 Chambers
Union Mfg. Co. 103 Chambers
Van Wagoner & Williams Co. 14 Warren
White, John G. & Bro. 75 Chambers

DOOR CLOSERS.

Butler Hardware Co. 18 Warren
Norton Door Check Co. 39 Dey

DOOR HANGERS.

Berey, H. A. 39 Dey
Butler Hardware Co. 18 Warren
Maynard, J. Q. 114 Liberty (see add p. 20)
Tiebout, W. & J. 16 Chambers

DOOR KNOBS, BRASS.

Butler Hardware Co. 18 Warren
Chicago Hardware Mfg. Co. 150 Fifth av
Dietz, A. E. 97 Chambers
Russell & Erwin Mfg. Co. 45 Chambers
Sargent & Co. 37 Chambers
Smith & Egge Mfg. Co. Represented by J. J. Halpin, 62 Reade

DOOR KNOBS, BRONZE.

Artistie Bronze Co. E. 155th & 156th sts. R. R. av. & Morris av
Beardsley, J. 59 Elm
Butler Hardware Co. 18 Warren
Chicago Hardware Mfg. Co. 150 Fifth av
Dietz, A. E. 97 Chambeas
Newman, Allen G. 480 Broadway
Russell & Erwin Mfg. Co. 45 Chambers
Sargent & Co. 37 Chambers
Smith & Egge Mfg. Co. Represented by J. J. Halpin, 62 Reade

DOOR KNOBS, WOOD.

Bardsley, J. 149-151 Baxter
Butler Hardware Co. 18 Warren
Chicago Hardware Mfg. Co. 150 Fifth av
Dietz, A. E. 97 Chambers
Newman, Allen J. 1180 Broadway
Sargent & Co. 37 Chambers

DOORS, HARDWOOD.

Bogumil, Herman, 422 E. 48th
Bradley & Currier Co Ltd. The, 308 Hudson
Brown, Alex. R. 323 W. 26th
Buffalo Door & Sash Co. Columbus av & 124th
Cunisky, Owen, 145 Eleventh av
Dietz, Rockett & Co. 42-50 W. 67th
Gray, Jenks & Co. 3 Union sq. (see add p. 93)
Gressler & Son, 632-636 E. 17th
Hedden, V. J. & Son, Central bldg. 143 Liberty
Keogh, C. B. Mfg. Co. 8 Howard
Kertscher & Co. 528-532 W. 24th

KERTSCHER & CO.,

528, 530, 532 West 24th St., N. Y.

Hard Wood Doors & Cabinet Work

FOR THE TRADE A SPECIALTY.

See Advertisement, page 88.

Lanzer, John, 2893 Third av
McDowell, P. & Co. 139th & Rider av
Morrison, Robt. 647-649 W. 50th
Outwater, Edwin, 525 W. 23d
Phillips, Geo. W. 560 W. 23d (see add p. 101)
Price & Carl, 510-512 First av
Pyrogravure Wood Co. 230 E. 37th (see add pp. 96, 97)
Radley & Greenough, 16 E. 42d (see add p. 92)
Robb & Morrison, 647 W. 50th
Schaettler, F. 245-247 W. 28th
Topp, Ernest, 261 W. 27th
The H. C. Smith Co. 62 Tenth av
Uckerman, Fred. 312 E 75th
Villaume, H. & Co. 484 E. 139th
White, Potter & Page, 18 E. 17th

DOOR PLATES AND NUMBER, MFRS.

Anderton, Ralph L. 210 Grand
Arnold, J. H. 49 Fulton
Brinkerhoff, J. P. 166 Greenwich
Brown, W. 29 Park row
Brunner, F. 99 Fulton
Gorcutlo, Edward, 24 N. William
Hoole Mfg. Co. 53 Great Jones
Ingersoll, Robert H. & Bro. 65 Cortland
Marden Engraving Co. 34 Park row
New York Stencil Works, 98 & 100 Nassau
Radford, R. H. 28 John
Russell, C. M. 458 E. 10th
Schoolfield, R. J. 280 Pearl
Shannon, Miller & Crane, 46 Maiden la
Stafford, Arthur, 35 & 37 Beekman
Stafford, Nelson, 66 Fulton
Stutzman, J. M. 181 William
Tucker & Schott, 100 Fulton
Whately, Geo. B. 139 Lewis

DRAIN PIPES.

Colman, Charles H. & Co. 145 Broadway (see add pp. 136, 137)
Duffy, J. P. & Co. E. 138th c. Railroad av
Durham House Drainage Co. 158 W. 27th
Esler & Gee, Rider av. c. E. 139th
Gilmour, Robert M. 82 John
Indurated Fibre Pipe Co. 143 Liberty
Logan Sanitary Stall Drain Co. 854 Seventh av
Logan, Martin, 65 Duane
Manhattan Fire Brick, Adam Weber, prop. office 633 E. 15th
Nelson, William, 7 Chambers

WM. NELSON,

Blue Stone, Sewer and Drain Pipe,

MAIN OFFICE, 7 CHAMBERS ST.,

NEW YORK.

Office and Yard, Ninth and Tenth Sts., and Fifth St. and West Ave., Long Island City, N. Y.
Sills, Lintels, Steps, Coping, Gutters, Flagging, &c. Flagging and Cement Work Laid at Short Notice.

Ohio Sewer Pipe Co. Branch Office, 145 Broadway, Represented by Chas. H. Colman & Co. (see add p. 137)
Otis & Gorsline, 484 E. 138th & E. 146th c. Railroad av
Penn Mfg. Mining & Supply Co. 82 John
Quenzer, Wenzlaus, 65 Av. C
Rader, G. W. & Co. 611 W. 51st & 608 W. 52d
Robbins, Geo. B. & Co. Third av. & 136th (see add p. 122)
Salamander Works, 61 Bethune
Sanitas Mfg. Co. 54 Gold
Stewart & Co. 546 W. 19th, 312 Pearl (see add p. 4)
U. S. Fire Clay Co. Branch Office, 145 B'dway, Represented by Chas. H. Colman & Co. (see add p. 137)

DRAWING MATERIALS.

Aquilla Rich Paint & Color Co. 84 William
Devoe, F. W. & Co. 103 Fulton (see add p. 90)
Keuffel & Esser Co. 127 Fulton & 42 Ann
Liddell, Henry, 51st & Sixth av
Woolman, G. S. 116 Fulton

DREDGING COMPANIES.

Atlantic Dredging Company, 31 & 33 Pine
Atlas Dredging Co. 121 Front
Benton, Thomas H. 44 Broadway
Brainard Brothers, 24 State
Bucyrus Steam Shovel & Dredge Co. 15 Broad
Cummings, Jos. 45 Duane
Dubois', Henry, Sons, 119 South
Edwards, Jos. Dredging Co. 145 Broadway & 63 Wall
Hayward, John H. 11 Pine
Morris & Cummings Dredging Co. 24 State
N. Am. Dredging & Improvement Co. 2 Stone & 23 Bridge
N. Y. Dredging Co. 63 Wall
Osgood Dredge Co. 38 Park row
Union Dredging Co. 33 Pine

DRILLS, ROCK.

Ingersoll-Sargent Rock Drill Co. 10 Park pl
National Drill & Compressor Co. N. Y. City
Pierce, C. D. Drill Co. 29 Rose
Rand Drill Co. 23 Park pl

RAND DRILL CO.,

Air Compressors, Rock Drills, &c

No. 23 PARK PLACE,

NEW YORK.

See Advertisement, opposite front inside cover.

DRY KILNS.

American Drier Co. 115 Broadway

DRY MORTAR CEMENT.

King, J. B. & Co. 21-24 State (see add p. 115)
Kings Windsor Cement Dry Mortar Co. Times bldg. 41 Park row
The American Machine Mortar Co. E. W. Sutphen, Gen. Mgr. 126 Liberty

DUMB WAITERS.

Bock, Ferdinand, 84 Warren (see add p. 75)
Boekkoty, Jacob, 195 Amsterdam av
Butler & Bock, 92 Centre
Butler Hardware Co. 18 Warren
Carey, P. 197 E. 100th
Cox, C. B. 214 E. 119th
Donohue, Thomas, 221 E. 42d
Driscoll, John, 212 W. 49th
Gordon, Bros. 141 Spring
Groody, A. E. 368 W. 1st
Hoffman, C. W. 309 W. 36th
Holland, Thos. 211 E. 84th
Howard Foundry & Machine Works, 114 Liberty (see add p. 19)
Johnston, John, 1195 Second av
Johnstone, 544 Columbus av
Kullburg, John, Lexington av & 118th
Larsen, A. 413-415 E. 124th
Lawrence, Robert W. 125 W. 33d
Mathews, Jas. & Son, 172 E. 110th
Maynard, John Q. 114 Liberty

JOHN Q. MAYNARD,

Elevators and Dumb Waiters,

NO. 114 LIBERTY STREET,

NEW YORK.

Overhead Railways and Traveling Cranes.

See Advertisement, page 20.

Morse, Williams & Co. John Keir, Mgr. 108 Liberty (see add p. 11)
Maviens, J. Sons, 157 E. 44th
Murtaugh, James, 147 E. 42d

MURTAUGH'S
STANDARD DUMB WAITERS
147 East 42d St., near Grand Central Depot.
General Hand Hoisting Establishment. Repairing or Altering with the Utmost Dispatch. Fifteen Models of our Various Arrangements can be seen at our Factory as above. Nearly 90,000 of our make now in use.
Established in 1855. JAMES MURTAUGH.
See Advertisement, page 23.

Nelson, A. & Co. 687 Columbus av, 101 W. 80th
O'Connor, M. E. 83 Chambers
Olsen & Co. 300 W. 127th, 2365 Eighth av
Reedy, J. W. Elevator Mfg. Co. 31-33 Tenth av
Riley, James, 197 E. 100th
Salem Foundry & Machine Shop, 41 Dey
Springfield Foundry Co. Springfield, Mass. New York Office, Equitable bldg., 120 Broadway, Room 12, 4th floor (see add p. 16)
Vought, N. F. 501-505 E. 70th
Webster, Frank E. 100 E. 84th

DUMB WAITER DOORS, AUTOMATIC.

Excelsior Elevator Guard & Hatch Cover Co. Charles (see add p. 22)
Morse Elevator Works, Morse, Williams & Co. J. Keir, Mgr. (see add p. 11)
Safety Hatch Door Co. 45 Duane (see add p. 21)
Standard Elevator Door Co. 136 Liberty (see add p. 22)

DUMB WAITER DOORS, IRON.

Althause, S. B. & Co. 101-103 Thompson (see add p. 27)
Brandt, Fred. 169 E. 85th (see add p. 106)
Mathews, Jas. & Son, 172 E. 110th
The Prince & Kinkel Iron Works, 729-731 First av (see add p. 51)
Westing, Theo. 449-455 W. 41st

DUMB WAITER DOORS, METAL.

Brandt, Fred. 169 E. 85th (see add p. 106)
Mathews, Jas. & Son, 172 E. 110th
The Prince & Kinkel Iron Works, 729-731 First av (see add p. 51)

DYNAMOS AND MOTORS, ELECTRIC.

Acme Electric & Aluminating Co. 106 Liberty
Brush Electric Co. 36 Union sq.
Bunnell, J. H. & Co. 76 Cortlandt
C. & C. Electric Motor Co. 402 Greenwich
Clark, Electric Co. 192 Broadway
Cleveland Electric Motor Co. 115 Broadway
Continental Dynamo Co. 83 Broadway
Crooker-Wheeler Perfected Motors, 430 W. 14th (see add opposite p. 327)
Daft Electric Light Co. The, 115 Broadway
Eastern Electric Co. The, 45 Broadway
Edison General Electric Co. 16 Broad
Electric Construction, cor. Washington & York
Eureka Electric Co. 18 Broadway
Excelsior Electric Co. 115 Broadway
Fort Wayne Electric Co. 115 Broadway
Greeley, Theo. F. S. & Co. 5 7 Dey
Lancaster, J. H. 202 Broadway
New American Electrical Arc Light Co. 175 Broadway
N. Y. Electrical Mfg. Co. 10 W. 23d
N. Y. Electric Construction Co. 5 Broadway
N. Y. Railway Supply Co. (Ltd.) 40 Wall
Richter Electric Light Co The, 41 Wall
Sawyer-Mann Electric Co. 510 W. 23d
Thomson Houston Electric Co. 115 Broadway
Westrom Northern Electric Co. 15 Cortlandt
Wing, L. J. & Co. 126 Liberty (see add opposite Second Ward)

EARTHENWARE, PLUMBERS' SUPPLIES.

Adee, Fred. & Co. 90 Beekman (see add p. 109)
Aspinwall, E. 98 Beekman
Blessing, Geo. A. 290 Pearl (see add p. 110)
Colwell Lead Co. 63 Centre
Dalton-Ingersoll Co. 64 Gold
Dimock, Fink & Co. 80 John
Harrison, Robert C. 46 Cliff
Haydenville Mfg. Co. 73 Beekman
Huber, Henry & Co. 81 Beekman & E. 136, cor. Rider av (see add p. 110)
McShane, Henry, Mfg. Co. 625-627 Sixth av (see add p. 108)
Maddock, Thos. & Sons, 51 Cliff
Mayor, Lane & Co. 119 Walker
Meyer-Sniffen Co. (Ltd.) 48 Cliff
Miller & Coates, 279 Pearl
Moore, Frederick G. 78 Beekman
Mott, J. L. Iron Works, 88 Beekman
Peck Bros. & Co. 47 Cliff
Ronalds & Co. 54 Cliff & 242 Water
Rose, Clarence Co. 292 Pearl
Sanitas Mfg. Co. 54 Gold
Smith, Benjamin C. 52 Cliff
Smith & Anthony Stove Co 54 Gold
Stewart Ceramic Co. 312 Pearl
Waefelaer, Louis, 54 Beekman

EDGE TOOL MFRS.

American Axe & Tool Co. 280 Broadway
Bradley's, G. W. Sons, 88 Chambers
Collins Co. 212 Water
Dewes, A. 245 Centre
Hanan, Marcus, 65 Park
Hawkins, Wm. S. 135 Lewis
Horton Edge Tool Co. 191 Lewis
Jennings & Griffin Mfg. Co. 97 Chambers & 79 Reade
Koberlein, F. 508 W. 24th (see add p. 53)
Loyd, John, 558-562 Water
Mead, I. W. 411 E. 23d
Mead, Isaac V. Tool Works 370 Av. A (see add p. 107)

Miller's Falls Co. 93 Reade
Peck, Stow & Wilcox Co. 27 Chambers
Pillsbury, M. M. 254 Pearl
Russell & Erwin Mfg. Co. 43-47 Chambers
Thompson, W. S. 418-420 W. 27th
Watts, Louis H. 191 Lewis

ELECTRIC ANNUNCIATORS, BELLS, AND HOUSE WORK.

Arens, Herman, 240 Eighth av
Axtmann, Chas. A. 1602 Third av
Badenhausen, H. J. 100-102 W. 46th
Bateman & Pollard, 143½ E. 23d
Bauer, Theo. 1609 Broadway
Bergmann & Co. 292 Ave. B
Bogart, Abraham L. 22 Union sq
Boyle, J. J. 94½ Elm
Bray, Jos. F. & Co. 55 Dey

ELECTRIC BELLS WITHOUT A BATTERY.
JOSEPH F. BRAY & CO.,
55 Dey St., NEW YORK.
Something New,
Gillette Electric Door or Call Bells.
Never out of order. Not Affected by Extreme Heat or Cold. Last a Lifetime. Require no Attention. Guaranteed for five years. Send for Illustrated Catalogue & Price List.
See Advertisement, page 54.

Eckerson, J. H. 71 Fourth av
Edwards & Co. 5 Dey, and Railroad av and 144th
Einbigler & Adler, 432 Seventh av
Flucker & Keedwell, 320 Madison av
Haggerty, Geo. A. 803 Third av (see add p. 53)
Hawkins, J. J. 9 Columbus av
Hemmel A. E. & Co. 709 Columbus av

Electrical Construction and Repairing.
A. E. HEMMEL & CO.,
ELECTRIC MECHANICAL AND PNEUMATIC BELLS,
709 Columbus Ave., bet. 94th & 95th Sts., N. Y.
Burglar Alarms and Electric Gas-Lighting. Speaking Tubes, Door Openers, Locksmithing, Letter Boxes, Yale Locks. Responsible Guarantee by the Year at Moderate Rates. Established 1887.

Hodson, Geo. W. 2466 Eighth av
Holmes Burglar Alarm Telegraph Co. 518 Broadway
Jones, J. & Sons, 602-604 W. 22d
Kanze, Robert, 103 E. 9th
McCerry & Prendegrast, 986 Sixth av
Mayer, Geo. W. jr. 160 Sixth av
Moran, Owen, 52 New
Morrison Electric Co. 59 Columbus av

OWEN MORAN,
Contractor and Builder of all Kinds of Electrical Work.
REPAIRING A SPECIALTY.
No. 52 NEW STREET, NEW YORK.

Murphy & Fink, 2056 Seventh av
O'Crowley, M. F. 138 Broad
Ostrander, W. R. & Co. 195 Fulton
Paley, Wm. 2015 Seventh av
Rosseau, David, 310 Mott av, and Railroad av. and 144th
Sherman, T. 2289 Second av
Smith, A. T. 6 W. 14th
Tucker Electrical Construction Co. 18 Whitehall
Wall, W. H. 102 E. 28th
Zimdars & Hunt, 127 Fifth av

ELECTRIC BELLS
—AND—
ANNUNCIATORS,
ZIMDARS & HUNT,
127 FIFTH AVENUE, NEW YORK.

ELECTRIC ANNUNCIATORS AND BELLS.

Bogart, Abraham L. 22 Union sq
Bray, Jos. F. & Co. 55 Dey (see add p. 54)
Flucker & Keedwell, 320 Madison av
Haggerty, Geo. A. 803 Third av (see add p. 53)
Kanze, Robert, 103 E. 9th
Moran, Owen, 52 New
O'Crowley, M. F. 138 Broad
Ostrander, W. R. & Co. 195-197 Fulton
Stanley & Hall, 32-34 Frankfort
Stimis, Alvah H. 38 Dey
Zimdars & Hunt, 127 Fifth av

ELECTRIC BATTERIES.

Gooding, Beinert & Co. 80 John

GOODING, BEINERT & CO.,
MANUFACTURERS OF
La Clanche Batteries & Electrical Appliances,
80 John Street, New York.
A Full Assortment of Motor Brushes Always on Hand. Dynamos and Motors Attended to by the Month. Repairing in all its Branches. Gas Igniters, Dynamos, Motors and Comutators Furnished and Repaired.

TRADE **GONDA** MARK. These cells are the Standard Open Circuit Batteries of the world. None others approach them in efficiency, durability or economy. They are the best for **Call Bells, Annunciators, Burglar Alarms, Gas Lighting, Physicians' Office Batteries** and all other purposes for which open circuit batteries are used. Be sure that the trade-mark "Gonda" is on every cell.

THE LECLANCHÉ BATTERY CO.
111 to 117 East 131st Street, New York City.

The Leclanche Battery Co. 111-117 E. 131st (see add p. 312)
The Taylor Battery Co. 39 Dey

ELECTRIC BATTERY SUPPLIES.

Blackall, F. S. 126 Liberty
Leclanche Battery Co. 111-117 E. 131st

THE LECLANCHE BATTERY CO.,

These Cells are the

Standard Open Circuit Batteries of the World.

None Others Approach them in Efficiency. They are the Best for Call Bells, Annunciators, Burglar Alarms, Gas Lighting, Physicians' Office Batteries, Etc.

111-117 East 131st Street, New York.

See Advertisement, page 312.

ELECTRIC BLASTING APPARATUS.

Laflin & Rand Powder Co. 29 Murray

ELECTRIC FANS, BLOWERS AND PUMPS.

Bateman & Pollard, 143½ E. 23d
Crocker-Wheeler Electric Co. 430 W. 14th (see add opposite 327)
Goulds Mfg. Co. 16 Murray

ELECTRIC CLOCK MFRS.

American Electric Clock Co. 9 Murray
American Watchman's Time Detector, Self-Winding and Office Clocks, J. S. Morse, supt. 234 Broadway
Hausburg, O. E. 41 and 43 Maiden lane
Himmer & Anderson Dry Battery Co. 20 Vesey
Howard, E. Watch and Clock Co. 41 Maiden la

ELECTRIC FANS.

Bateman & Pollard, 143½ E. 23d
Blackall, F. S. 126 Liberty

F. S. BLACKALL,

Sole Agent for

NEW YORK AND VICINITY OF THE

Crocker-Wheeler Electric Co.,

No. 126 LIBERTY STREET.

See Advertisement, opposite page 327.

Howard & Morse, 45 Fulton (see add p. 5)
Sturtevant, B. F. & Co. 91 Liberty
Wing, L. J. & Co. 126 Liberty (see add opposite Second Ward)

ELECTRIC GAS LIGHTING APPARATUS MFRS.

Bogart, Abraham L. 22 Union sq
Hudson, Wm. H. 3603 Third av
Matchless Lighting Co. 132 Reade
Rosseau, David, 310 Mott av
Smith, A. T. 6 W. 14th

ELECTRIC GOODS MANUFACTURERS.

Ahlstrom, Oscar G. 162 William
Alexander, Barney & Chapin, 20 Cortlandt
Anglo-American Electric Light Mfg. Co. The, Times bldg, Park row
Ansonia Brass and Copper Co. 19 and 21 Cliff
Automatic Watchman or Fire and Burglar Alarm Mfg. Co. 207 Broadway
Bar Electric Mfg. Co. 7 Broadway
Barriett Electric Co. 10 Cedar
Benzinger, Graban & Co. 357 W. 40th
Berge, J. & H. 95 John
Blauvelt, Joy & Blauvelt, 258 Broadway
Bogart, Abraham L. 22 Union sq
Bray, Joseph F. & Co. 55 Dey (see add p. 54)
Bride, M. L. 842 Broadway
Bridger, Henry C. 201 Broadway
Bunnell, J. H. & Co. 76 Cortlandt
Burnap, W. H. 259 W. 27th
C. & C. Electric Motor Co. 402 Greenwich
Chapin & Thompson, 602 W. 22d
Clark Electric Co. 192 Broadway
Complete Electric Construction Co. 14 Cortlandt
Composite Cell Co. 35 Broadway
Crocker-Wheeler Electric Co. 430-432 W. 14th (see add opposite p. 327)
Culbert Bros. 311 W. 40th
Culp Electric Brush Co. 2 W. 14th
Curtis & Damm, 94 Liberty
Dale Mfg. Co. 90 Fulton
Degroat Electric Co. 66 Liberty
Diehl & Co. 335 Broadway
Dout, Henry, 215 Centre
Doyle, John, 14 Ann
Dubeis, C. H. & Son, 61 Ann
Edison General Electric Co. Edison bldg, 42-44 Broad, 275 Fifth av
Einbigler & Adler, 610 Eighth av
Electric Construction and Supply Co. 18 Cortlandt
Electric Power Controller Co. 40 Dey
Electric Signal Mfg. Co. 45 Broadway and 62 John
Electrical Accumulator Co. 44 Broadway
Electro Dynamo Co. The, 44 Broadway
Ellsworth, T. G. 167 Chambers
Empire City Electric Co. The, 15 Dey
Equitable Mfg. and Electric Co. 70 Broadway

Felt Electric Co. 164 W. 27th
Gamewell Fire Alarm Telegraph Co. 1½ Barclay
Gibson Electric Co. The, 74 Cortlandt
Gleason, E. P. Mfg. Co. 181-189 Mercer and 20 W. Houston
Goodrich, Charles E. 493 Eighth av
Gordon, W. H. & Co. 115 Broadway
Greeley, E. S. & Co. The, 5 and 7 Dey
Henzell, Charles F. 418 W. 27th
Himmer & Anderson Dry Battery Co. 20 Vesey
Holmes, Booth & Haydens, 25 Park pl and 22 Murray
Huber, Dr. Dry Cell Battery Co, 88 Fifth av
Hudson, William H. 3603 Third av
Hussey Battery Co. 144 Greenwich
Influence Machine Co. 115 Broadway
Insulite Mfg. Co. 35 Broadway
Interior and Conduit Insulator Co. 16 Broad and 527 W. 34th
Julien Electric Co. The, 120 Broadway
Kanze, Robert, 103 E. 9th
Kidder, Jerome, Mfg. Co. 820 Broadway
Law Telephone, 85 John
Leclanche Battery Co. 149 W. 18th
Manhattan Electrical Supply Co. 26 Church
Mason, James H. 63 Broadway
Meserole & Co. 26 Church
Metropolitan Electric Service Co. 75 Madison av
Metropolitan Electrical Signal Co. 45 Broadway
Moore Electric Mfg. Co. Trio bldg, 13th and Hudson
National Electric Protector Co. 18 Broadway
National Galvanic Battery Co. 18 Cortlandt
Nattes, Antonio, 89 E. 10th
Newman, A. G. 1180 Broadway
New York Carbon Works, 18 Cortlandt
New York Electric Mail Box Co. 451 Greenwich
New York Electrical Device Co. 40 and 42 Wall
Noll, Augustus, & Co, 10 W. 23d
Osborne & Cheesman Co. 39 Barclay
Ostrander, W. R. & Co. 195 and 197 Fulton
Pearce, F. 79 John
Porter Teletype Co. 110 Fifth av
Pride, Geo. H. 9 Dey
Pulvermacher Galvanic Co. 1164 Broadway
Rapke, Victor H. 1288 Avenue B
Randas, Otto, 131 William
Roberts-Brevoort Electric Co. Limited, 206 Broadway
Rousseau, David, 310 Mott av
Roxite Co. E. 131st cor. Park av
Royal Electrical Specially Co. 239 Water
Sanden Electric Co. 817 Broadway
Sawyer-Man Electric Co. 510-534 W. 23d
Schoverling, A. 111 Chambers
Security Electric Signal Co. 8 Dey
Seib & Starke, 1197 Railroad av
Shaver Corporation, 207 Broadway
Smith, A. T. 6 W. 14th
Somoff, John L. 1 Ann
Sonnebon Rubber Comb and Novelty Co. 12 White
Stammers, Henry E. 1430 Broadway
Standard Thermometer Co. 18 Cortlandt
Stanley & Hall, 32-34 Frankfort
Stimis, A. A. 38 Dey
Thau, Henry, 130 Fulton
Thomson-Houston Electric Co. 115 Broadway
Universal Arc Lamp Co. 15 Cortlandt
Universal Gas Lighting Co. 853 Broadway
U. S. Electric Safety Co. 853 Broadway
U. S. Volta Electric Battery Co. 38 Wall
Van Nuis, C. S. 74 Cortlandt
Vassar Burglar Alarm Co. 56 Warren
Vetter, J. C. & Co. 214 E. 47th
Walker Electric Co. 50 Broadway
Watt, Arthur K. 125 Fulton
Western Electric Co. 125-131 Greenwich
Woehrle, George & Son. 2115 Third av
Zimdars & Hunt, 127 Fifth av

ELECTRIC LIGHT COMPANIES.

Accumulator Co. 136 Liberty
Aluminum Battery Electric Light & Power Co. 94 Liberty
Am. Electric Construction Co. 115 Broadway
Anglo-Am. Electric Light Mfg. Co. 41 Park row
Backstrom Electric Co. 154 W. 27th
Ball Electric Light Co 18 Cortlandt, 404 W. 27th
Ball Electric Illuminating Co. 131 W. 38th
Bergen Electric Light, Heat & Power Co. 14 Dey
Brush Electric Co. 36 Union sq. East
Brush Electric Illuminating Co. 208 Elizabeth
Brush-Swan Electric Light Co. of N. E. 208 Elizabeth
Clark Electric Co. 192 Broadway, 478 Pearl
Consolidated Electric Light Co. 32 Nassau, 510 W. 23d
Curtis Electric Light & Power Co 18 Cortlandt
E. R. Electric Light Co. 425 E. 24th
Easton Electric Co. 29 Broadway
Edison General Electric Co. Edison bldg, 42-44 Broad, 275 Fifth av
Edison Electric Light Co. of Europe, Ltd. Edison bldg, 42-44 Broad
Edison Electric Illuminating Co. 235-251 Pearl, 57 Duane, 431 Fifth av, 47 W. 26th, 117 W. 39th, 48 W. 53d
Edison Spanish Colonial Light Co. Edison bldg, 42-44 Broad
Eureka Electric Co. 18 Broadway
Fort Wayne Electric Co. 115 Broadway
Harlem Lighting Co. E. 80th n Av. B
Heisler Electric Light Co. 10 Wall
Julien Electric Co. 120 Broadway
Loomis Electric Mfg. Co 18 Broadway
Manhattan Electric Light Co. Ltd. 1267 B'way
Mather Electric Light Co. 18 Whitehall
Mt. Morris Electric Light Co. 531 Greenwich, 2285 Eighth av
National Electric Light Assn. 16 Cortlandt
New Am. Electric Arc Light Co. 18 Cortlandt, 163 W. 18th
North N. Y. Lighting Co. Rider av c. E. 140th
River & Rail Electric Light Co. 45 Broadway

Safety Electric Light & Power Co. 41 Park row
Sawyer-Man Electric Co. 510 W. 2d
Spanish Electric Co. 15 Wall
Standard Electric Light Co. 211 Centre
Star Iron Tower Co. 115 Broadway
Sun Light Co. 23 State
Swan Incandescent Electric Light Co. 208 Elizabeth
The Onley Electric Co. 1 Broadway
Thomson-Houston Electric Co. 115 Broadway
Thomson-Houston International Electric Co. 115 Broadway
Tucker Electrical Construction Co. 20 Whitehall
United Edison Mfg. Co. 65 Fifth av, 44 Wall
United Electric Light & Power Co. 41 Park row, 174 Washington 36 Stanton, 416 E. 29th, ft. W. 24th, 208 Elizabeth
U. S. Electric Lighting Co. 120 Broadway
U. S. Illuminating Co. 41 Park row, 174 Washington, 208 Elizabeth, 36 Stanton, 416 E. 29th
Virginia Electric Light & Power Co. 63 Wall
Wenstrom Construction, Dynamo & Motor Co. 15 Cortlandt
Westchester Electric Co. 14 Dey
Westinghouse Electric Co. 120 Broadway
Yonkers Schuyler Electric Light Co. 98 Vandam

ELECTRIC LIGHT FIXTURES.

Alexander, Barney & Chapin, 20 Cortlandt
Bateman & Pollard, 143½ E. 23d
Bergmann & Co. 292 Av. B
Bergmann Gas & Electric Fixture Co. 79 Fifth av
Bogart, Abraham L. 22 Union sq
Bouche, Henry L. 874 Broadway (see add p. 93)
Cassidy & Son Mfg. Co. 133-135 W. 23d, 124-128 W. 24th

CASSIDY & SON M'F'G CO.,
Manufacturers of
Electric and Gas Fixtures,
133 & 135 WEST 23d STREET,
AND
124, 126 & 128 WEST 24th ST.,
NEW YORK.
See Advertisement, page 82.

Edison General Electric Co. Edison bldg, 42-44 Broad, 275 Fifth av
Frinck, I. P. 551 Pearl
Palmer, J. F. Son, 12 E. 17th
Schneider, Campbell & Co. cor 13th & University pl
The Mitchell-Vance Co. 836-838 Broadway

ELECTRIC LIGHT REFLECTORS.

Frink, I. P. 551 Pearl
Schunemann, Chas. H. 2-4 Howard

ELECTRIC LIGHT REFLECTOR GUARDS.

Bataille, Achille, 122 W. Broadway (see add p. 23)
DeWitt Wire Cloth Co. 32 Reade (see add p. 26)
Estey, W. S. 65 Fulton (see add p. 24)
McMurray, R. T. & Bro 141-143 Centre (see add p. 25)

ELECTRIC LIGHT SUPPLIES.

Pollack, Alexander, 15 Cortlandt
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add. pp. 62, 63)
Schunemann, Chas. H. 2-4 Howard
Smith, A. T. 6 W. 14th

ELECTRIC LIGHTING APPARATUS MFRS.

Bogart, Abraham L. 22 Union sq.
Eastern Electric Co. 45 Broadway
Edison General Electric Co. Edison bldg, 42-44 Broad, 275 Fifth av
Electrical Accumulator Co. 44 Broadway
Electro-Dynamic Co. The, 44 Broadway
Julien Electric Co. The, 120 Broadway
United States Electric Lighting Co. The, 120 Broadway
Westinghouse Electric Co. 120 Broadway

ELECTRIC MACHINERY MFRS.

American Electric Motor Co. 115 Broadway
Arnoux & Hochhanson Electric Co. 478 Pearl
Ball Electric Light Co. 18 Cortlandt
Bentley-Knight Electric Railway Co. 115 Broadway
Bogart, Abraham L. 22 Union sq.
Bradley Electric Power Co. 63 Broadway
Brush Electric Co. 36 Union sq.
Bunnell, J. H. & Co. 76 Cortlandt
Burnap, W. H. 259 W. 27th
Brown, A. & F. 44 Park pl
Clark Electric Co. 192 Broadway
Cleveland Motor Co. The, 409 Broadway
Connecticut Motor Co. 17 Broadway
Consolidated Electric Light Co. 32 Nassau
C. & C. Electric Motor Co. 402 Greenwich
Dont, Henry, 215 Centre
Eddy Electric Mfg. Co. 15 Cortlandt
Edison General Electric Light Co. Edison bldg, 42-44 Broad & 275 Fifth av
Electric Power Co. 115 Broadway
Electro-Dynamic Co. 44 Broadway
Elektron Mfg. Co. 78 & 81 Washington
Eureka Electric Co. 18 Broadway
Excelsior Electric Co. 115 Broadway
Fort Wayne Electric Co. 115 Broadway

Freeman Dynamo Electric Motor Co. 89 Liberty
Freeman Electric Mfg. Co. 89 Liberty
Frisbie, D. Co. The, 112 Liberty (see add p. 12)
Garvin Machine Co. The, Laight & Canal
Greeley, E. S. & Co. The, 5-7 Dey
Hanson & Van Winkle Co. 81 Liberty
Jones, J. & Son, 602 W. 22d
Lidgerwood Mfg. Co. 96 Liberty (see add p. inside front cover)
Loomis Electric Mfg. Co. 18 Broadway
Mather Electric Co. 14 Whitehall
McDougall-Martin Electric Co. 120 Times bldg.
Murray, Thos. & Co. 95 Liberty
New York Electrical Mfg. Co. 10 W. 23d & 154 W. 27th
Pearce, F. 79 John
Railway Electric Car Lighting & Signal Co. 120 Broadway
Ripley, Dwight, 60 Laight
River & Rail Electric Light Co. 45 Broadway
Safety Electric Power Co. 45 Wall
Safety Electric Railway & Power Co. 45 Wall
Southern States Electric Storage Co. 44 Broadway
Standard Electric Light Co. 211 Centre
Standard Thermometer Co. 18 Cortlandt
Telesemc Electric Mfg. Co. 34 Broad
Thau, Henry, 130 Fulton
Thomson-Houston Electric Co. 115 Broadway
Tucker Electrical Construction Co. 14 & 20 Whitehall
Union Switch & Signal Co. The, 36-37 Times bldg.
United Electric Friction Co. 115 Broadway
United Electric Light & Power Co. Times bldg. Park row
United States Electric Lighting Co. 120 Broadway
Wester Electric Co. 125-131 Greenwich
Westinghouse Electric Co. 510 W. 20th
Willis & Hunter, 33 Church
Woerhle, George & Son, 2115 Third av
Wood, S. C. & Co. 174 Centre
Woolf Electrical Co. 29 Nassau
Zucker & Levett Chemical Co. The, 40 Murray

ELECTRIC MOTOR MFRS.

A. B. & C. Motor Co. 44 Gold
Acme Electric & Illuminating Co. 106 Liberty
American Electric Motor Co. 115 Broadway
Arnoux & Hochhausen Electric Co. 478 Pearl
Bentley Knight Electric Railway Co. 115 Broadway
Blackall, F. S. 126 Liberty

Crocker-Wheeler Electric Co.

F. S. BLACKALL,

No. 126 LIBERTY STREET,

Sole Agent for

NEW YORK AND VICINITY.

See Advertisement, opposite page 327.

Bogart, Abraham L. 22 Union sq
Bradley Electric Power Co. 63 Broadway
Brush Electric Co. 36 Union sq
Bunnell, J. H. & Co. 76 Cortlandt
Clark Electric Co. 192 Broadway
Cleveland Motor Co. 409 Broadway
Connecticut Motor Co. 17 Broadway
Connelly Motor Co. 111 Broadway
Crocker Wheeler Motor Co. 430 W. 14th (see add opposite p. 327)
C. & C. Electric Motor Co 402 Greenwich
Daft Electric Light Co. 115 Broadway
Daimier Motor Co. 111 E. 14th
Dallett, Thomas H. & Co. 126 Liberty
Diehl & Co. 385 Broadway
Dowd, P. A. & Co. 239 Broadway
Doyle, John, 14 Ann
Eddy Electric Mfg. Co. 136 Liberty
Edison General Electric Co. Edison bldg. & 42 & 44 Broad & 275 Fifth av. 202 Ave. B. 451 First av
Electro Dynamic Co. 136 Liberty
Electric Power Co. 115 Broadway
Eureka Electric Co. 18 Broadway
Excelsior Electric Co. 115 Broadway
Fort Wayne Electric Co. 115 Broadway
Freeman Dynamo Electric Motor Co. 89 Liberty
Freeman Electric Mfg. Co. 89 Liberty
Frisbie, D. Co. The. 112 Liberty (see add p. 12)
Gooding, Beinert & Co. 80 John
Greeley, E. S. Co. The, 5 and 7 Dey
Greenow, William J. 204 E. 43d
Hill, W. S. Electric Co. 136 Liberty
International Portelectric Co. 254 Pearl
Julian Electric Traction Co. 120 Broadway & 86th st. and Mad. av
Keystone Electric Co. 126 Liberty
Knapp Electric & Novelty Co. 34 Warren
Lancaster, J. H. 202 Broadway
Mather Electric Co. 97 Nassau
McDougall, Martin, Electric Co. 120 Times bldg
McLeod, Ward & Co. 91 Liberty
Murray, Thos. & Co. 95 Liberty
National Electric Mfg. & Construction Co 136 Liberty
New York Electrical Mfg. Co. 10 W. 23d & 154 W. 27th
Porter, Mayor D. 173 Greenwich
Roberts Brevort Electric Co. Ltd. 206 Broadway
Ripley, Dwight, 60 Laight
River & Rail Electric Light Co. 45 Broadway
Safety Electric Power Co. 45 Wall
Safety Electric Railway & Power Co. 45 Wall
Sawyer Mann Electric Co. 510 W. 23d
Smith, A. T. 6 W. 14th
The Crocker Wheeler Motor Co. 430 W. 14th
The Elektron Mfg. Co. 89 Liberty
The Hanson & Van Winkle Co. 81 Liberty
Thompson-Houston Electric Co. 115 Broadway
United Electric Traction Co. 115 Broadway
United States Electric Lighting Co. 120 Broadway
Wenstrom Cons. Dynamo & Motor Co. 15 Cortlandt
Westinghouse Electric Co. 510 W. 20th
Willis & Hunter, 33 Church
Wing, L. J. 126 Liberty (see add opposite second ward)
Woolfe Electrical Co. 20 Nassau

ELECTRIC WIRE MFRS.

Aluminum Brass & Bronze Co. The, Stewart bldg. 53 Chambers
American Electrical Works, 10 Cortlandt

Ansonia Brass & Copper Co. 19 & 21 Cliff
Benedict & Burnham Mfg. 13 Murray
Bishop Gutta Percha Co. 420 to 426 E. 25th
Bridgeport Brass Co. 19 Murray
Day, Austin G. 16 Dey
Edison General Electric Co. 42 and 44 Broad
Holmes, Booth & Haydens, 25 Park pl. and 22 Murray
India Rubber & Gutta Percha Insulating Co. 159 Front
N. Y. Insulated Wire Co. 649 and 651 Broadway
Osborne & Cheesman Co. 39 Barclay
Plume & Atwood Mfg. Co. 18 Murray
Roebling's, John A. Sons, Co. 117 and 119 Liberty
Safety Insulated Wire & Cable Co. 234 W. 29th
Standard Underground Cable Co. (cables), 18 Cortlandt
The International Okonite Co. 13 Park row (see add)
Tucker Electrical Construction Co. 18 Whitehall
Wallace & Sons, 29 Chambers
Western Electric Co. 125 to 131 Greenwich

ELECTRICAL CONTRACTORS.

Alexander, Barney & Chapin, 16 and 18 Cortlandt
Baker & Ryder, 180 Broadway
Bateman & Pollard, 143½ E. 23d

BATEMAN & POLLARD,
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Electric Light Wiring of Buildings. Isolated Plants, Complete Installations. Electric Bells, Burglar Alarms, Speaking Tubes, General Electrical Supplies. Special Estimates Furnished. Architects and Builders.
143½ EAST 23d STREET, NEW YORK.

Cornell Electrical Engineering Co. 45 Broadway
Flucker & Keedwell, 320 Madison av
Gooding, Beinert & Co. 80 John
Hatzel & Buehler, 29 W. 26th
Hemmel, A. E. & Co. 709 Columbus av
Lloyd & Paxton, 2 Wall
Pollock, Alexander, 15 Cortlandt
Scott Electrical Works, 26 Liberty
Smith, A. T. 6 W. 14th
The Conduit Wiring Co. 12 W. 29th

THE
CONDUIT WIRING COMPANY
ELECTRICAL CONTRACTORS,
12 West 29th St, New York.
CHARLES J. KLEIN, Pres't and General Manager.
SOLOMON DAVIS, Sec'y and Treas.

The Electrical Repair Assurance & Constr. Co. 822 Broadway
Thompson, Crawford & Co. World bldg
Truswell, William, 53 Cedar
Van Wagoner & Linn, 47 Cortlandt
Wenstrom Construction Dynamo & Motor Co. 15 Cortlandt
White, J. G. & Co. 29 Broadway
Wollenweber, A. 169 William
Zimdars & Hunt, 127 Fifth av

ZIMDARS & HUNT,
ELECTRIC LIGHT
CONTRACTORS.
No. 127 FIFTH AVENUE,
NEW YORK.

ELECTRICAL INSTRUMENT MFRS.

Acme Storage Battery Co. 29 Broadway
Ahlstrom, Oscar G. 162 William
Alexander, Barney & Chapin, 20 Cortlandt
American Electrical Works, 10 Cortlandt
Arnoux & Hochhausen Electric Co. 478 Pearl
Bahr, John F. & Co. 38 Dey
Bateman & Pollard, 143½ E. 23d
Benzinger, Grabau & Co. 357 W. 40th
Bergmann Gas & Electric Fixture Co. 79 Fifth av
Bray, Joseph F. 55 Dey (see add p. 54)
Bridger, Henry C. 201 Broadway
Bunnell, J. H. & Co. 76 Cortlandt
Comegys Electric Construction Co. 10 Cortlandt
Composite Cell Co. 35 Broadway
Continental Dynamo Co. 63 Broadway
Crocker-Wheeler Electric Motor Co. 430-432 W. 14th (see add opposite p. 327)
Crosby Electric Co. 110 Fifth av. and 121 S. Fifth av
Curtis & Damm, 94 Liberty
Dale, John H. 90 Fulton
Diehl & Co. 385 Broadway
Dubois, C. H. & Son, 61 Ann
Edison Mfg. Co. Edison bldg. 42-44 Broad
Edwards & Co. Railroad av. n E. 144th and 5 Dey
Electric Construction & Supply Co. 18 Cortlandt
Elektron Mfg. Co. 89 Liberty
Equitable Mfg. & Electric Co. 44 Broadway
Excelsior Dynamic Co. 45 Broadway
Flucker & Keedwell, 320 Madison av
Galvano Faradic Mfg. Co. 300 Fourth av
Gardam, William & Son, 98 John
Gibson Electric Co. 74 Cortlandt
Gooding, Beinert & Co. 80 John
Gordon, W. H. & Co. 115 Broadway
Greely, E. S. & Co. 7 Dey and 82 Fulton
Haggerty, Geo. A. 803 Third av (see add p. 53)
Herzog Electric Appliance Co. 34 Broad
Herzog Teleseme Co. 34 Broad
Herzog Teleseme Co. of N. Y. State, 34 Broad
Himmer & Anderson Dry Battery Co. 123 Chambers
Hoenack, Paul, 193 Worth
Hunter, T. F. & Co. 33 Church
Hussey Battery Co. 144 Greenwich
Hussey, Charles A. Central bldg. 143 Liberty
Improved Patented Porous Cup Battery Co. (Ltd.) r 89½ Greene

Insulation Co. Edison bldg. 42-44 Broad and 527 W. 34th
Insulite Mfg. Co. 35 Broadway
Interior Conduit & Hine Eliminator Co. 106 Liberty
Jones, J. & Son, 602-604 W. 22d

J. JONES & SON,
602 & 604 West 22d Street, New York
MANUFACTURERS OF
Electrical Specialties
FOR HOTEL AND LIVERY STABLES.

Kyle, Samuel & Co. 150 Barrow
Leclanche Battery Co. 111-117 E. 131st (see add p. 142)
Madden, Henry G. 18 Cortlandt
Manhattan Electrical Supply Co. 36 Cortlandt
Meserole & Co. 26 Church
Metropolitan Electric Service Co. 126 Liberty
Metropolitan Electric Signal Co. 45 B'way
Michel, Aaron, 30 W. Houston and 206 E. 61st
Microphone Carbon Battery Co. 112 Liberty
National Electric Protector Co. 18 Broadway
National Galvanic Battery Co. 18 Cortlandt
Pearce, Frederick, 79 John
Porter Teletype Co. 110 Fifth av
Rousseau, David, 310 Mott av. and Railroad av. n E. 138th
Royal Electrical Specialty Co. 239 Water
Sanden Electric Co. 817 Broadway
Schoverling, August, 111 Chambers
Schwindt, Henry, 610 Eighth av
Security Electric Signal Co. 8 Dey
Seib & Starke, 700 E. 148th
Shaver Corporation, 207 Broadway and 78 Cortlandt
Smith, A. T. 6 W. 14th
Stammers, Henry E. 1426 Broadway
Stanley & Patterson, 32 Frankfort
Telesemc Electric Mfg. Co. 30 Broad
Thau, Henry, 21 Ann
Thomson Electric Welding Co. 115 Broadway
Truex & Vail, 136 Liberty
U. S. Electric Safety Co. 853 Broadway
U. S. Volta Electric Battery Co. 38 Wall
Universal Gas Lighting Co. 853 Broadway
Vetter, J. C. & Co. 214 E. 47th
Waite & Bartlett Mfg. Co. 143 and 204 E. 23d
Western Electric Co. 22 Thames and 131 Greenwich
Westinghouse Electric & Mfg. Co. 120 Broadway
Wildt, E. A. & Co. 83 Murray
Zimdars & Hunt, 127 Fifth av

ZIMDARS & HUNT,
Manufacturers of
ELECTRICAL INSTRUMENTS,
No. 127 FIFTH AVENUE,
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ELECTRICAL SUPPLIES.

Alexander, Barney & Chapin, 20 Cortlandt
Bateman & Pollard, 143½ E. 23d
Bergmann Gas & Electric Fixture Co. 79 Fifth av
Blackall, F. S. 126 Liberty
Bogart, A. L. 22 Union sq. E
Butler Hard Rubber Co. 33 Mercer
Eastern Electric Supply Co. 18 Cortlandt
Edison General Electric Co. Edison bldg. 42-44 Broad and 275 Fifth av
Edmonds, J. Wesley, 270 West
Engineering Equipment Co. Central bldg. 143 Liberty
Flucker & Keedwell, 320 Madison av
Jones, J. & Son, 602-604 W. 22d
Lauer, Fred. 246 W. 29th
Manhattan Electrical Supply Co. 36 Cortlandt
Pollack, Alexander, 15 Cortlandt
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add pp. 62, 63)
Safety Insulated Wire & Cable Co. 234 W. 29th
Schawel, James & Co. 29 John
Smith, A. T. 6 W. 14th
The B. & S. Electric Equipment Co. 115 Broadway
The Electric Construction & Supply Co. 18 Cortlandt
The Empire Supply Co. 46 Cortlandt
The International Okonite Co. 13 Park row (see add)
Weber & Strom, 2443 Third av (see add p. 75)
Zimdars & Hunt, 127 Fifth av

Electrical Supplies, Experimental Work,
Inventions Perfected,
ZIMDARS & HUNT,
No. 127 Fifth Avenue,
NEW YORK.

ELECTRICIANS.

Adams, Henry C. 115 Broadway
Alexander, Barney & Chapin, 20 Cortlandt
Alexander-Chamberlain Electric Co. 126 Liberty
American Electric Construction Co. 115 B'way
Ayton, Chas. W. 15 Cortlandt
Badenhausen, Henry J. 100-102 W. 46th
Baker, John, 156 W. 29th
Baker & Rider, 180 Broadway
Bateman & Pollard, 143½ E. 23d
Bauer, Theodore, 1609 Broadway
Blum & Hess, 25 Whitehall
Bogart, Abraham L. 22 Union sq. E
Bogart, Adrian L. 22 Union sq. E
Brown, Charles, 1149 Ninth av
Burnap, William H. 259 W. 27th
Butler, Edwin, 201 Broadway
Carr, Thomas, 245 Columbus av

Calahan, Edward A. 84 Broad
Champion, F. Geo. 113 Sixth av
Chichester, George, 1 Sylvan pl
Clarke, Charles L. 55 Liberty
Colobani, Pierre P. D. 671 Sixth av
Cuddihy, John J. 201 Broadway
Cuttriss, Charles, 3 Broad
D'Infreville, Georges, 110 Liberty
Dollinger & Co. 1104 Lexington av
Donnellan, Geo. 915 Sixth av
Dout, Henry F. 215 Centre
Dowden, George A. 841 Broadway
Dubois, Tuthill, 113 Sixth av
Ehrhalt, W. 1691 First av
Ehrle, Oscar F. 1552 Third av
Eisert, Alwin, 872 Eighth av
Eldredge, Rolfe, 90 Fulton
Electric Absorption Treatment Co. 258 B'way
Fenu & Braxmar, 47 Cortlandt
Field Engineering Co. Liberty and West
Flucker & Keedwell, 320 Madison av
Foster, Chas. 1047 Third av
Fox, Wm. 385 Lenox av

WM. FOX,
ELECTRICIAN,
LOCKSMITH AND BELLHANGER,
385 Lenox Avenue,
Between 129th and 130th Streets, NEW YORK
Estimates Furnished.

Fraleigh, E. N. 22 Church
Gibson Electric Co. 74 Cortlandt
Godwin & Co. 1560 Ninth av
Gooding, Beinert & Co. 80 John
Haggerty, Geo. A. 803 Third av (see add p. 53)
Hagsteadt, Chas. 372 Park av
Hammer, W. J. 533 Temple court
Hard & Randolph, 2-4 Howard
Haskell, Charles E. 112 Liberty
Haubeil, Chas. 1 Gouverneur
Hawkins, James J. 934 Ninth av
Hayward, Edward, 194 Front
Hazazer, E. W. 37-39 Frankfort
Hemmel, A. E. & Co. 709 Columbus av

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A. E. HEMMEL & CO.,
ELECTRIC MECHANICAL AND PNEUMATIC **BELLS,**
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Burglar Alarms and Electric Gas-Lighting. Speaking Tubes, Door Openers, Locksmithing, Letter Boxes, Yale Locks. Responsible Guarantee by the Year at Moderate Rates. Established 1887.

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Hinds, Charles H. 652 Hudson
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Electric Bells, Speaking Tubes, Letter Boxes. Patent Electric Door Openers, Electric Gas-Lighting and Burglar Alarms put in Hotels, Banks, Dwellings and Flats in first-class order. Estimates Cheerfully Given.

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Jacobs & Writer, 206 Broadway, N. Y. Electrical Engineering Co.
Jakobson, Max, 1753 E. 77th
Jones, Francis W. 5 Dey
Kanze, Robert, 103 E. 9th
Kasinski, Walter, 792 Ninth av
Ketcham, J. B. 290 Columbus av
Kline, Theodore B. 709 Madison av
Kloppe, Otto, 219 Centre
Knox, Edward L. 50 Broad
Kolyer & Richardson, 10 E. 14th
Lahy, James, 7 Barclay
Leonard, H. Ward & Co. Central bldg. 143 Liberty
Letoquart, Auguste, 115 Bleeker
Little, John L. 201 Broadway and 268 First av
Lynch, Eugene T. jr. 120 Broadway
McCreery & Prendergast, 986 Sixth av
McLeod, Ward & Co. 91 Liberty
Macquesten, William D. 15 Cortlandt
Madden, H. G. 18 Cortlandt
Maculen, Charles F. 61 Broadway
Marshall, William, 4 University bldg
Maxwell, Chas. M. jr. 3 E. 13th
Mayer, William, jr. 31 Nassau
Moore Brothers, 108 Liberty
Moran, Owen, 52 New
Morse, C. B. 17 Franklin
Moses, Otto A. 18 Cortlandt
Mott, Garrett S. 171 Broadway
Murphy & Fink, 2056 Seventh av

MURPHY & FINK,
Electricians, Locksmiths and Bell Hangers,
2056 Seventh Avenue,
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All Kinds of Repairing done. Medical Batteries Repaired. Gas Lighting by Electricity.

Noll & Davis, 49 W. 22d
Olenin, Alexis, 1277 Ninth av
Paget & Kintner, 45 Broadway
Paley, Wm. 2015 Seventh av

WILLIAM PALEY,
Electrician & Mechanical Engineer,
Electric and Physical Instruments.
2015 SEVENTH AVENUE, NEW YORK,
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Special Attention given to House and Hotel Electric Work. Telephone, 420 Harlem.

Palmer, John, 26 Church
Pearce, Fred, 79 John
Pendleton, John M. 17 Broadway
Pernaux & Co. 6 E. 17th
Phillips, Asa D. 46 Cortlandt
Pickney, S. T. jr. 1834 Vanderbilt av
Pope, Franklin L. 32 Nassau
Porter & Co. 15 Howard
Pride, George H. 9 Dey
Pritchard, Geo. A. 15 Bond
Putnam, H. W. & Co. 26 Church
Richardson, A. M. & Co. 106 W. 42d
Richardson, W. G. 290 Third av

Ripley, D. 60 Laight
Ross, Charles T. 822 Broadway
Rousseau, J. M. 709 Madison av
Sanden, Albert T. 819 Broadway
Schultz, F. 511 Second av
Scott Electrical Works, 26 Liberty
Scott, Graham, 26 Liberty
Seely & Taylor Mfg. Co. 14 Cortlandt
Seibert, Edward J. 429 W. 57th
Smith, A. T. 6 W. 14th

A. T. SMITH,

ELECTRICIAN,

6 WEST 14th STREET, near 5th Avenue, N. Y.

Burglar Alarms, Hotel & House Annunciators, Call Bells, Galvanic and Electro Medical Batteries. Electric Gas Lighting for Churches, Theatres, and Private Dwellings.

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Spencer, Robert G. 73 W. 82d
Spencer, C. & Co. 1357 Ninth av
Stammers, H. E. 1424 Broadway
Steinberg, Samuel, 71 Third av
Stimis, Alvah A. 38 Dey
Story & Wilson, 113 Sixth av
Thau, H. 21-23 Ann
Tiernan, W. A. 95 Liberty
Tompkins, H. D. 10 E. 14th
Tucker Electrical Construction Co. 18 Whitehall
Tucker & Hall, World bldg
U. S. Electric Railway Co. 10 Wall
Vanwagoner & Linn, 47 Cortlandt
Van Nuis, Charles S. 136 Liberty
Waddell, Geo. A. 101 W. 14th
Walsh, Owen, 105 Walker
Walsh, Sterling, 39 Nassau
Wagner, Jos. 427 Sixth
Wennerstrom, A. P. 52 W. 19th
Wenstrom Consolidated Dynamo & Motor Co. Kimbel bldg. Whitehall
Wenstrom & Kline, 52 W. 19th
Wenstrom Northern Electric Co. 5 Dey
Wick, Valentine, 246 Pearl
Wilson, Tremont, 59 Liberty
Wilsonia Magnetic Appliance Co. 821 B'way
Wood, S. C. & Co. 174 Centre
Woods, G. T. Mfg. Co. Central bldg. 143 Liberty
Woodbridge & Turner, Times bldg
Woolf, Albert E. 110 Pearl
Wurgler, A. 940 Tenth av
Zimdars & Hunt, 127 Fifth av

ZIMDARS & HUNT,

ELECTRICIANS,

CONTRACTORS FOR

ALL KINDS OF ELECTRICAL WORK,

127 FIFTH AVENUE, NEW YORK.

Zimmerman, L. J. 232 E. 22d

ELEVATORS.

Althause, S. B. & Co. 101-103 Thompson (see add p. 27)
American Electric Elevator Co. 15 Cortlandt
Bardsley Bros. 151 Baxter
Bates Automatic Elevator & Mfg. Co. Times bldg. 41 Park row and 538 W. 14th
Becker, Frederick, 172 W. Broadway
Blasi, Joseph, 54 W. Broadway (see add p. 53)
Brigham, George W. 251 Spring
Buckley, J. & J. 425 W. Boulevard

J. & J. BUCKLEY,

HOD ELEVATORS,

STEAM AND HAND POWER.

425 Western Boulevard, Cor. 81st St., N. Y.

Steam Pumps for Draining Foundations. New and Powerful Engines, worked by Competent Engineers. All Orders Promptly Attended to. Telephone, 1909 38th St.

Builders' Elevator Co. The, 357 E. 93d
Burrows, T. & Son, 154 W. Broadway
Butler Hardware Co. 18 Warren
Crane Elevator Co. 40-42 Wall
Cummings, Joseph, 45 Duane
Demerest, Ephraim B. 49 W. 64th
Donohue, Thomas, 221 E. 42d
Eaton & Prince Co. 18 Cortlandt (see add p. 18)
Edelmeyer & Morgan Hod Elevator Co. 333 W. 49th
Edison & Brown, 337 E. 93d
Edwards, Joseph & Co. 414 Water
Ellithorpe Air-Brake Co. 136 Liberty
Excelsior Elevator, Guard & Hatch Cover Co. 141 Charles (see add p. 22)
Fiederlien, Frederick, 462 Tenth av
Franklin, George, 142 Centre
Frisbie, D. Co. The, 112 Liberty

PASSENGER and FREIGHT

ELEVATORS,

THE D. FRISBIE CO.,

112 LIBERTY STREET, NEW YORK

See Advertisement, page 12.

Gordon Bros. 141 Spring
Graves, L. S. & Son, 92-94 Liberty

L. S. GRAVES & SON,

PASSENGER & FREIGHT

ELEVATORS,

92 & 94 Liberty Street, New York.

See Advertisement, page 11.

Groody, Albert E. 370 W. 51st
Helmer, J. 91 Liberty
Hoffman, Charles W. 309 W. 36th
Holman Bros. & Couch, 206 Hester
Howard Foundry & Machine Works, 114 Liberty (see add p. 19)
Hull, Albert T. 317 E. 122d
Hurd, William F. 258 Broadway
Hvass, Charles, 509 E. 18th
Keir, J. 108 Liberty
Keys, Frank W. 327 E. 60th
Larsen, A. 413-415 E. 124th

Link Belt Engineering Co. 49 Dey
Manning, A. C. & Co. 18 Vesey

A. C. MANNING & CO.,

Passenger and Freight Elevators,

No. 18 VESEY STREET,

NEW YORK.

See Advertisement, page 15.

Marsh Elevator Co. 237 Broadway
Maynard, John Q. 114 Liberty

JOHN Q. MAYNARD,

Elevators and Dumb Waiters,

NO. 114 LIBERTY STREET,

NEW YORK.

Overhead Railways and Traveling Cranes.

See Advertisement, page 20.

McAdams & Cartwright, 57-59 Elm
McDougal & Potter, 606-614 W. 55th
McGregor, L. 91 Cliff
Morse, Williams & Co. 108 Liberty

MORSE, WILLIAMS & COMPANY,

Manufacturers & Builders of all Kinds of
PASSENGER AND FREIGHT

ELEVATORS,

No. 108 LIBERTY STREET,
NEW YORK.

See Advertisement, page 11.

Murtaugh, James, 145-147 E. 42d (see add p. 23)
Nichols, Samuel & Son, 66 W. Third
Otis Bros. & Co. Potter bldg. 38 Park row

THE OTIS ELECTRIC ELEVATOR.

Hydraulic Passenger and Freight

ELEVATORS,

No. 38 PARK ROW,

NEW YORK.

See Advertisement, page 10.

Pelham Hod Elevator Co. (Ltd.) 416-418 W. 26th
Reedy, J. W. Elevator Mfg. Co. 31-33 Tenth av
Safety Hatch Door Co. 45 Duane (see add p. 21)
Salem Foundry & Machine Shop, 41 Dey

Salem Foundry and Machine Shop,

SALEM, MASS.,

—MANUFACTURERS OF—

ELEVATORS,

Automatic Safety Hatches and Gates.

No. 41 DEY STREET, NEW YORK.

See Advertisement, page 17.

Skerritt Bros. 470 Canal & 213 Hudson
Sommerville, John, 27 Clarke
Sprague Electric Elevator Co. 15 Wall
Springfield Foundry Co. Springfield, Mass.

SPRINGFIELD FOUNDRY CO.,

Manufacturers of the

ATLAS HYDRAULIC SCREW ELEVATOR.

WORKS, SPRINGFIELD, MASS.

New York Office, Equitable Building, Room 12, 4th Floor.

See Advertisement, page 16.

Standard Elevator Door Co. 136 Liberty, room 301 (see add p. 22)
Standard Hod Elevating Co. 1958 Madison
Standard Screw Elevator Co. 36 Wall
Stokes & Parrish Elevator Co. 136 Liberty
Tuerk Hydraulic Power Co. 237 Broadway
Turl, John & Sons, 534 W. 28th
Valentine Bros. 345 Produce Exchange
Walsh, Peter H. 333 West
Watson, J. C. Co. Park av cor. E. 135th
Webb, A. P. & Co. 305 Pearl
Webb, James R. 139 Charles
Welsh, F. 99 Watts
Wescott & Mills, 19 Thomas
Whittier Elevator Co. 306 Eleventh av

WHITTIER ELEVATOR CO.,

306-310 Eleventh Avenue, N. Y.

HYDRAULIC

Passenger and Freight Elevators.

See Advertisement, page 16.

Whittier Machine Co. 93 Liberty

ELEVATORS, AUTOMATIC.

Maynard, John Q. 114 Liberty (see add p. 20)
Springfield Foundry Co. Springfield, Mass. New York Office, Equitable bldg, 120 Broadway, room 12, 4th floor (see add p. 16)

ELEVATORS, CARRIAGE.

Manning, A. C. & Co. 18 Vesey (see add p. 15)
Maynard, J. Q. 114 Liberty (see add p. 20)
Murtaugh, James, 147 E. 42d (see add p. 23)
Reedy, J. W. Elevator Mfg. Co. 31-33 Tenth av
Salem Foundry & Machine Shop, F. E. Idell, Agt. 41 Dey (see add p. 17)
Springfield Foundry Co. Springfield, Mass. New York Office, Equitable bldg, 120 Broadway, room 12, 4th floor (see add p. 16)

ELEVATORS, ELECTRIC.

American Electric Elevator Co. 15 Cortlandt
Blackall, F. S. 126 Liberty

F. S. BLACKALL,
Sole Agent for
NEW YORK AND VICINITY OF THE
Crocker-Wheeler Electric Co.,
No. 126 LIBERTY STREET.
See Advertisement, opposite page 327.

Eaton & Prince Co. 18 Cortlandt (see add p. 18)
Electric Elevator Co. 15 Cortlandt
Frisbie, D. Co. 112 Liberty

PASSENGER and FREIGHT
ELEVATORS,
THE D. FRISBIE CO.,
112 LIBERTY STREET, NEW YORK
See Advertisement, page 12.

Graves, L. S. & Son, 92-94 Liberty

L. S. GRAVES & SON,
PASSENGER & FREIGHT
ELEVATORS,
92 & 94 Liberty Street, New York.
See Advertisement, page 11.

Howard Foundry & Machine Works, 114 Liberty (see add p. 19)
Maynard, John Q. 114 Liberty (see add p. 20)
Morse, Williams & Co. 108 Liberty (see add p. 11)
Otis Bros. & Co. 38 Park row

THE OTIS ELECTRIC ELEVATOR,
Hydraulic Passenger and Freight
ELEVATORS,
No. 38 PARK ROW,
NEW YORK.
See Advertisement, page 10.

Reedy, J. W. Elevator Mfg. Co. 31-33 Tenth av
Salem Foundry & Machine Shop, F. E. Idell, agent, 41 Dey (see add p. 17)
Sprague Electric Elevator Co. 15 Wall
Springfield Foundry Co. Springfield, Mass. New York Office, Equitable bldg, 120 Broadway, room 12, 4th floor (see add p. 16)
Standard Elevator Co. 150 Broadway (see add p. 13)
Whittier Elevator Co. 306-310 Eleventh av (see add p. 16)
Whittier Machine Co. 93 Liberty

ELEVATORS, HYDRAULIC.

Clark, Bunnett & Co. 162-164 W. 27th (see add p. 45)
Eaton & Prince Co. 18 Cortlandt, A. T. Mathewson, manager

EATON & PRINCE CO.,
Hydraulic, Steam & Electric Passenger & Freight
ELEVATORS.
All Work Guaranteed.
New York Office, No. 18 Cortlandt Street.
A. T. MATHEWSON, Manager.
Main Office and Works, 70-76 Michigan St., Chicago, Ills.
See Advertisement, page 18.

Graves, L. S. & Son, 92-94 Liberty (see add p. 11)
Howard Foundry & Machine Works, 17 S. 18th, Philadelphia, Pa., J. Q. Maynard, agt., 114 Liberty (see add p. 19)
Maynard, John Q. 114 Liberty (see add p. 20)
Morse, Williams & Co. John Keir, manager, 108 Liberty (see add p. 11)
Otis Bros. & Co. Potter bldg. 38 Park row (see add p. 10)
Reedy, J. W. Elevator Mfg. Co. 31-33 Tenth av
Standard Elevator Co. 150 Broadway (see add p. 13)
Springfield Foundry Co. Springfield, Mass., New York Office Equitable bldg., room 12, 4th floor (see add p. 14)
Welch & Lawson, 203-205 Centre
Whittier Elevator Co. 306-310 Eleventh av (see add p. 16)
Whittier Machine Co. 98 Liberty

ELEVATORS, INVALID.

Butler Hardware Co. 18 Warren
Maynard, John Q. 114 Liberty (see add p. 20)
Morse, Williams & Co. 108 Liberty, John Keir, manager (see add p. 11)
Murtaugh, James, 147 E. 42d (see add p. 23)
Otis Bros. & Co. Potter bldg, 38 Park row (see add p. 10)
Reedy, J. W. Elevator Mfg. Co. 31-33 Tenth av
Springfield Foundry Co. Springfield, Mass. New York Office, Equitable bldg, 120 Broadway, room 12, 4th floor (see add p. 16)

ELEVATORS, STREET.

Eaton & Prince Co., A. T. Mathewson, manager, 18 Cortlandt (see add p. 18)
Graves, L. S. & Son, 92-94 Liberty (see add p. 11)
Manning, A. C. & Co. 18 Vesey (see add p. 15)
Maynard, John Q. 114 Liberty (see add p. 20)
Morse, Williams & Co., John Keir, manager, 108 Liberty (see add p. 11)
Muhl, J. & Son, 329 E. 33d (see add p. 50)
Nichols, Samuel & Son, 66 W. 3d
Otis Bros. & Co. Potter bldg. 38 Park row (see add p. 10)
Reedy, J. W. Elevator Mfg. Co. 31-33 Tenth av
Salem Foundry & Machine Shop, Salem, Mass., New York office 41 Dey, F. E. Idell, agent (see add p. 17)
Standard Elevator Co. 150 Broadway (see add p. 13)
Springfield Foundry Co. Springfield, Mass., New York Office Equitable bldg. 120 Broadway, room 12, 4th floor (see add p. 16)

Whittier Elevator Co. 306-310 Eleventh av (see add p. 16)
Whittier Machine Co. 93 Liberty

ELEVATORS, CARS AND ENCLOSURES.

Maynard, John Q. 114 Liberty (see add p. 20)
Morse, Williams & Co. 108 Liberty, John Keir, manager (see add p. 11)
Springfield Foundry Co., Springfield, Mass., New York Office Equitable bldg. room 12, 4th floor (see add p. 16)
Wooley & Co. 61 Fulton

ELEVATOR DOORS, AUTOMATIC.

Excelsior Elevator Guard & Hatch Cover Co. 139-141 Charles (see add p. 22)
Maynard, John Q. 114 Liberty (see add p. 20)
Morse, Williams & Co., John Keir, manager, 108 Liberty (see add p. 11)
Muhl, J. & Son, 329 E. 33d (see add p. 50)
Safety Hatch Door Co. 45 Duane (see add p. 21)
Salem Foundry & Machine Shop, Salem, Mass., F. E. Idell, agent, 41 Dey (see add p. 17)
Springfield Foundry Co, Springfield, Mass. New York Office, Equitable bldg, 120 Broadway, room 12, 4th floor (see add p. 16)
Standard Elevator Door Co. 136 Liberty, room 301 (see add p. 22)
The Prince & Kinkel Iron Works, 729-731 First av (see add p. 51)

ELEVATOR GATES, GUARDS AND HATCH COVERS, AUTOMATIC.

Aetna Iron Works, 298-300 E. 64th (see add p. 51)
Bataille, Achille, 122 W. Broadway (see add p. 23)
Central Iron Works, 203 E. 30th (see add p. 44)
Composite Iron Works, 83 Reade
Ellithorpe Air Brake Co. 136 Liberty
Estey, W. S. 65 Fulton (see add p. 24)
Excelsior Elevator Guard & Hatch Cover Co. 139-141 Charles (see add p. 22)
Howard & Morse, 45 Fulton (see add p. 5)
Lyon, W. E. 202 E. 46th (see add p. 46)
Matthews, J. & Son, 172 E. 110th
Maynard, John Q. 114 Liberty (see add p. 20)
Morse, Williams & Co., John Keir, manager, 108 Liberty (see add p. 11)
New York Safety Gate Co 44 Broadway
Safety Hatch Door Co. 45 Duane (see add p. 21)
Singer Elevator Safety Stop Co. 74 Fulton
Standard Automatic Elevator Door Co. 136 Liberty, room 301 (see add p. 22)
The Prince & Kinkel Iron Works, 729-731 First av (see add p. 51)
Wooley & Co. 61 Fulton

EMBOSSED MOULDINGS ON SIDEWOOD.

Parker, E. C. 157 Eleventh av

EDWIN C. PARKER,
MANUFACTURER OF
Natural Wood Embossed Ornaments
157 ELEVENTH AVE., near 22d St., N. Y.
Duplicates of Hand Carving. Embossed Mouldings, Borders, Corner Blocks, Panels and Rosettes. Papyrus Ceiling Centres. Send for New Catalogue, 1892.

See Advertisement, page 100.

EMERY PAPER.

Baeder, Adamson & Co. 67 Beekman
Behr, Herman & Co. 75 Beekman
Dalton, Mary, 178 Prince
Greene, Tweed & Co. 83 Chambers (see add p. 53)
Hewitt, C. B. & Bros. 48 Beekman
Piper, Buck & Co. 64 College pl
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add pp. 62, 63)
Swartz, E. H. 23 Avenue A (see add p. 106)
The Levant Emery Co. 280 Broadway

EMERY GRINDERS.

Norton Emery Wheel Co. 39 John

EMERY GRINDING MACHINE MANUFACTURERS.

Norton Emery Wheel Co. 39 John

EMERY TOOL GRINDING.

Norton Emery Wheel Co. 39 John.

EMERY WHEEL MANUFACTURERS.

Bell, Geo. E. 36 John

GEORGE E. BELL,
Waltham Emery Wheels,
Walpole Mills Turkish Emery. Engineers', Platers' and Polishers' Machinery and Supplies of all Kinds.
36 JOHN STREET, NEW YORK.

Emery Wheel and Machinery Manufacturers.—Emery Wheels, Vulcanite.—Enameled and Stained Glass.—Enameled Brick, American, Manufacturers.—Enameled Brick Dealers.

Frasse, Peter A. & Co. 95 Fulton
Grant Corundum Mfg. Co. 40 John
Greene, Tweed & Co. 83 Chambers (see add p. 53)
Norton Emery Wheel Co. 39 John
Philadelphia Emery Wheel Co. 66 Cortlandt
Sterling Emery Wheel Co. 174 Fulton
Tanite Co. 161 Washington
The Levant Emery Co. 280 Broadway
Wellington Emery Wheel Co. 170 Broadway and 428 E. 62d

EMERY WHEEL DIAMOND TOOL MANUFACTURERS.

Dickinson, John, 64 Nassau
Jackson, T. A. 654 W. 34th

EMERY WHEEL AND MACHINERY MANUFACTURERS.

Bell, George E. 36 John
Diamond Machine Co. The, J. A. Mackinnon Machine Co. Agents, Liberty cor. West
Donegan & Swift, 11 Murray
Manning, Maxwell & Moore, 111 and 113 Liberty
Norton Emery Wheel Co. 39 John
Pollack, Alexander, 15 Cortlandt
Sterling Emery Wheel Co. 174 Fulton

EMERY WHEELS, VULCANITE.

New York Belting and Packing Co. 15 Park row

ENAMELED AND STAINED GLASS.

American Stained Glass Works, 1114 Park av
Baker, Jas. & Son, 36 Clinton pl
Belcher Mosaic Glass Co. 123 Fifth av
Booth, Chas. 47 Lafayette pl
Colegate, Edward, 318 W. 13th
Cox Sons, Buckley & Co. 8 E. 15th
Crothers, W. H. 210 E. 38th
Crowninshield, Fred, 42 W. 18th
Decorative Stained Glass Co. 46 Washington sq
Dougherty, James, 94 South Fifth av
Fischer, Schroeter & Co. 105 W. 42d
Gibson, Wm. & Sons, 142 E. 33d
Grout, Edward P. 34 E. Houston
Guillaume, Quirin, 36 W. 3d
Heleocaustic Art Co. 78 Barrow
Hartwell, H. E. 19 W. 22d
Hubbell & Catur, 444 W. 15th
Koechig, Julius C. 1424 Broadway
Lamb, J. & R. 59 Carmine
Lawson Bros. 160 W. Broadway
Lumpert, Edward, 102 E. 12th
McMahon, P. F. 168 Wooster
Maginn, Chas. 47 University pl
Maitland, Armstrong & Co. 61 Washington sq
Matthews Decorative Glass Co. 328 E. 26th
Mayer & Co. 124 W. 23d
Morgan, T. & J. 53 Bleecker
Potts Bros. 48 Duane
Rafalasky Bros. 140 W. 23d
Ross, H. H. 56 Pine
Smith, David N. 1378 Broadway
Smith, J. M. 91 Charles
Spiers & Draddy, 45 Grove
Swartz, E. A. 23 Avenue A (see add p. 106)
Tiffany Glass Co. The, 333 Fourth av
Van Horn, Griffin & Co. 131 Franklin
Volmoi, Tomoor & Mark, 7 W. 28th
Young, Alex. 1267 Broadway

ENAMELED BRICK, AMERICAN, MFRS.

Griffin Enameled Brick Co. J. Maus Schermerhorn, Times bldg, 41 Park row

GRIFFEN ENAMELED BRICK CO.,

J. MAUS SCHERMERHORN, Pres't,

MANUFACTURERS OF THE

First High Quality American Brand Enameled Brick.

Main Office, Times Building, New York.

Menlo Park Ceramic Works, Jer. T. Smith, prop. office Metropolitan Life Insurance bldg, Madison av & 23d (see add p. 131)

ENAMELED BRICK DEALERS.

Fisher, Erskine W. 18 Broadway, Wells bldg, (see add p. 117)
Fleming Cement & Brick Co. 23 Liberty
Meeker & Carter, 14 E. 23d
Person, Orrin D. Mohawk bldg, 160 Fifth av cor. 21st (see add p. 139)
Sayre & Fisher, Bennett bldg, Nassau & Fulton (see add p. 139)
Weeks, Charles R. & Brother, 74 Murray

ENAMELED BRICK IMPORTERS.

Fisher, Erskine W. Wells bldg, 18 Broadway (see add p. 117)

Enameled Ware, Plumbers' Supplies Importers.—Enameled Ware, Plumbers' Supplies Manufacturers.—Enameled Ware Tiling Manufacturers.

Fleming Cement & Brick Co. 23 Liberty
Meeker & Carter. 14 E. 23d
Raritan Hollow & Porous Brick Co. MacIntyre bldg, 874 Broadway

ENAMELED CLAY.

Hammill & Gillispie, 240 Front
Solomon, L. A. & Brother, 216 Pearl
Thiele, Emile, 78 William

ENAMELED WARE, PLUMBERS' SUPPLIES IMPORTERS.

Ainslie, Geo. H. 58 Warren
Aspinall, Edwin, 100 Beekman
McShane, Henry, Mfg Co. 625-627 Sixth av (see add p. 108)

ENAMELED WARE, PLUMBERS' SUPPLIES MFRS.

Adee, Fred. & Co. 90 Beekman (see add p. 109)
Blessing, Geo. A. 290 Pearl (see add p. 110)
Huber, Henry & Co. 81 Beekman, E. 136th cor. Rider av (see add p. 110)
McShane, Henry, Mfg. Co. 625-627 Sixth av (see add p. 108)
Maddock, Thomas & Sons, 51 Cliff
Miller & Coates, 279 Pearl
Mott, J. L. Iron Works, 88 Beekman
Stewart Ceramic Co. 312 Pearl

ENAMELED WARE TILING MFRS.

American Encaustic Tiling Co. (see add p. 76)
Eltrich Art Tile Co. 106 Beekman
Meeker & Carter, 14 E. 23d
Menlo Park Ceramic Works, Jer. T. Smith, Proprietor, office, Metropolitan Life Insurance bldg, Madison av & 23d (see add p. 131)
Miller & Coates. 279 Pearl
New York Vitrified Tile Co. 81 4th, Brooklyn (see add p. 79)
Person, Orrin D. Mohawk bldg. 160 Fifth av c. 21st (see add p. 139)

ENGINEERS AND CONTRACTORS FOR STEAM PLANTS.

Abbe Steam Engine Co. 12 Cortlandt
Alexander, Leo & Co. 41 Dey
American Engine Co. 505 Pearl
Ames Iron Works, 38 Cortlandt
Backus, Peter & Son, 133-135 W. 25th (see add p. 64)
Ball & Wood Co. 15 Cortlandt
Barnhurst, Wm. 46 Cortlandt
Barron, H. J. 74 Cortlandt
Beggs, James & Co. 9 Dey
Biglow, C. R. 46 Dey
Boltons, G. & J. R. Imp. Hot Water Heater, Geo. H. Raymond, Mgr. 114 Liberty (see add p. 69)
Briggs, M. 61 Rutgers
Buckeye Engine Co. 18 Cortlandt
Campbell Engine, 35 Wall
Clapp, G. M. 74 Cortlandt
Coll, W. H. 80 Fifth av
Cook & Co. 163 Washington
Copeland, E. E. T. & Co. 106 Liberty
Fish, John, 164 Maiden la
Fisher, Albert, 89 Liberty
Fleming, W. R. & Co. 174 Fulton
Fletcher, W. & A. Co. 226 West
Franklin, George, 142 Centre
Fraser & Chalmers, 2 Wall
Frazer, E. 122 Water
Grant Locomotive Works, 41 Wall
Hammett, W. A. 18 Cortlandt
Hampson, E. P. & Co. 36 Cortlandt
Handrin & Robbins, 126 Washington
Hawthorne & Co. 12 Cortlandt
Hayward, S. F. & Co. 351 Canal
Hooven, Owens & Rentschler Co. 18 Cortlandt
Innes, John, Sons, 453 West
Iredell, F. W. 10 Park pl
Kelley, B. F. & Son, 91 Liberty
Lathrop Co. 66 Cortlandt
Leffel, Jas. & Co. 110 Liberty
Leonard & McCoy, 118 Liberty
Love, W. & C. W. 141 Elm
Macdonald, J. A. 296 Sixth av
Mackinnon Machine Co. 22 Warren
McSwegan, F. Franklin sq
Morgan Iron Works, 814 E. 9th
Newell Universal Mill Co. 126 Liberty
N. Y. Locomotive Works, 45 Wall
N. Y. Safety Steam Power Co. 30 Cortlandt
Noye, John T. Mfg. Co. 89 Liberty
Payne, W. & Sons, 45 Dey
Phœnix Iron Works, 15 Cortlandt
Pierce & Thomas, 42 Cortlandt
Prentiss Tool Supply Co. 115 Liberty
Putnam Machine Co. 115 Liberty
Roberts, Geo. I. & Bro 471-473 Fourth av (see add pp. 62, 63)
Roelker, H. B. 22 Cortlandt
See, H. 1 Broadway
Simpson, W. L. 18 Cortlandt
Skinner Engine Co. 15 Cortlandt
Stearns Mfg. Co. 46 Cortlandt
Strong Locomotive Co. 45 Broadway
Sturtevant, B. F. & Co. 91 Liberty
Tabor Mfg. Co. 111 Liberty
Theall, Horace, 65 Bethune
Todd, Jos. C. 36 Dey
Union Iron Works, 145 Broadway
U. S. Supply Co. 51 John
Vincent, C. R. & Co. 15 Cortlandt
Wells Engine Co. 93 Liberty
Westinghouse, Church, Kerr & Co. 17 Cortlandt

Whitehill, Robert, 21 Cortlandt
Williams & Potter, 15 Cortlandt
Wilson & Roake, cor. Front & Dover
Wing, L. J. & Co. 126 Liberty (see add opposite Second Ward)
Wood, E. J. 243 Broadway

ENGINEERS, CIVIL.

Abbott, John, 150 Broadway
Am. Society of Civil Engineers, 127 E. 23d
Bacon, J. B. 565 E. 148th
Bacot, William S. 145 Broadway
Baldwin, William J. 277 Pearl
Barnes, Oliver W. 57 Broadway
Barry & McTighe, 52 William
Bartholf, Abraham, 145 Baxter
Bassett, C. P., P. O. Box 2075
Blasi, Joseph, 54 Broadway
Bogart, J. 71 Broadway
Boller, Alfred P. 71 Broadway
Bolton, Edward D. 44 Broadway
Bowditch, Ernest W. 111 Broadway
Bradley, W. H. 4 Irving pl
Bramwell, Geo. W. 120 Broadway
Brerkell, William T. 76 John
Brown, Charles O. 18 Broadway
Brown Harold P. 45 Wall
Buck, Leffert L. 18 Broadway
Bush, H. D. 96 Liberty
Caffall, Robert M. 280 Broadway
Canda, Ferdinard E. 11 Pine
Cazin, F. M. F. 61 Broadway
Church, B. S. 11 Wall
Church, W. S., 140 Nassau
Clarke, Thomas C. 1 Broadway
Clement, Frank H. 45 Broadway
Collingwood, Francis, 277 Pearl
Cooper, Theodore, 35 Broadway
Copeland, Chas. W. 19 Barclay
Cornell, Charles L. 45 Broadway
Cornell, Geo. B. 141 Centre
Corthell, Elmer L. 71 Broadway
Croes, J. James R. 13 William
Crowell, Foster, 18 Broadway
Culver, Delos E. 145 Broadway
Cuyler, John Y. 125 Potter bldg
Davison, Henry J. & Co. 2 Wall
Delafield, Clarence, 2 Wall
Dickinson, Pomeroy P. 7 Nassau
Dockam, Ed. H. 72 Cortlandt
Dodge, Robert J. 63 Fulton
Dudley, P. H. 54 Pine
Dunham & Paine, 150 Broadway
Emery, Charles E. 22 Cortlandt
Ewen, Austin D. 229 Broadway
Feilbogen, Moritz, 408 E. 51st
Ferguson, John W. 187 West
Findlay, Andrew, 33 Pine
Foster, Wolcott C. 52 Broadway
Fuller, Eugene F. 57 Broadway
Gerhard, William P. 39 Union sq W.
Gillham, Robert, 45 Broadway
Graff, Christian, 788 Broadway
Greene, Benjamin D. 50 Broadway
Grimshaw, R. 21 Park row
Gunnell, William C. 97 Nassau
Hamilton, W. 141 Broadway
Hammett, W. A. manager, 18 Cortlandt
Hardy, George K. 15 Cortlandt
Harris, Robert L. 1 Broadway
Harris, T. William & Co. 44 Broadway
Harvey, Chas. T. 74 Cortlandt
Hasell, Bentley D. & Co. 66 Pine
Haswell, Charles H. 40 Broadway
Hedden, Eugene B. 35 Broadway (see add p. 42)
Henning Gravity Tunnel Co. 15 Broad
Henderson, Joseph J. 15 Cortlandt
Hering, Rudolph, 277 Pearl
Hildebrandt, Wilhelm, 1 Broadway
Hildreth, R. W. & Co. 2 Wall
Hillman, Geo. C. 816 Forrest av
Hohenstein & Butricks, 52 John
Holmes, John, 45 Exchange pl
Hopper, John J. 200 W. 124th
Horack, Charles L. 93 Nassau
Howell, Byron C. 2 Stone
Hubert, Henry G. 672 E 137th
Hunt, Chas. W. 13 William
Hutton, William R. 35 Broadway
Inman, George R. 32 Liberty
Jackson, C. E. 15 Cortlandt
Jones, Frank F., 2 Wall
Killerlane & Ryder, 239-241 West
Knowles, Edward R. 181 Broadway
Lacy, Michael A. 24 State
Levering & Garrigues, World bldg
Lewinson M. 90 Nassau
Lockett, Samuel H. 12 Cortlandt
Lockwood, John, 52 Broadway
Lucius, Albert, 71 Broadway
Lynch, C. L. 59 Liberty
Lynch, Eugene T. jr. 120 Broadway
McElroy, Samuel, 170 Broadway
McNulty, George W. 45 Broadway
Maddock, William S. 49 Liberty
Mallory, George B 50 Broadway
Mapes, Chas. A. 534 Willis av
Martin, Frank S. 70 Beaver
Martin, John J. 41 Liberty
Mellins, Robt. F. 10 Wall
Merrick, John M. 335 Broadway
Mittendorfer, Max, 335 Broadway
Moffet, Hodgkins & Clark, 34½ Pine
Moore, Charles K. 121 Liberty
Morrison, George S. 35 Wall
Moss, Lincoln, 71 Broadway
Moylan, James, 71 Broadway
Noland, Burr P. 44 Broadway
O'Brien, James J. 7 Nassau
Ogden, John W. 4 Irving pl
Olmstead, B. S. & G. S. 32 Liberty
Olney, George, 17 Broadway
Osgood, Joseph O. 120 Broadway
Palmer, Frank, 58 W. 57th
Parsons, W. Barclay, 35 Broadway
Post & McCord, 120 Broadway (see add p. 33)
Pray, Thos. jr. 41 Park row
Preuss, William, 307 E. 10th
Renault, Geo. 60 Broadway
Root, George M. 2 Stone
Rusling, George M. 137 Broadway
Savage, Albert C. 61 Broadway
Schneider, Charles C. 192 Broadway
Schuyler, John, 63 William
See, Horace, 1 Broadway
Serrell, Edward W. 136 Liberty
Smith, L. J. T. 956 Third av
Smith, Rudolph C. 1 Broadway
Smith, T. R. 59 Liberty
Sooysmith & Co. 2 Nassau
Sorzano, Julio F. 33 Broadway
Staats, R. P. & J. H. 29 Broadway

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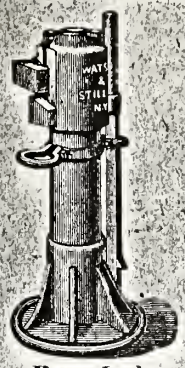
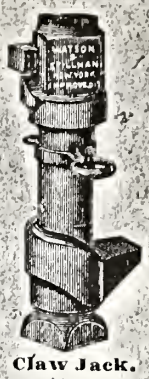


Base Jack.



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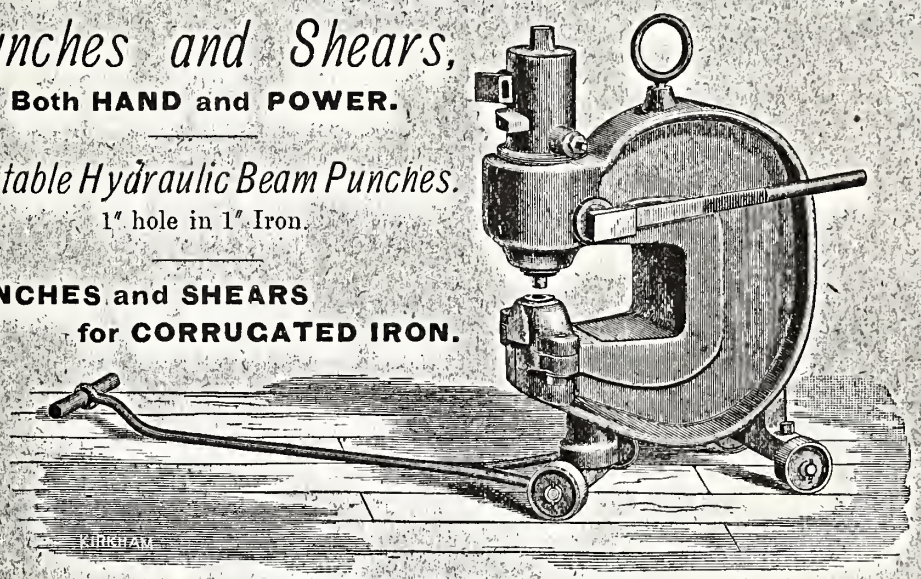

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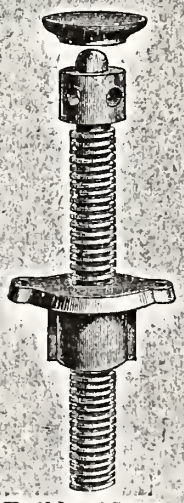

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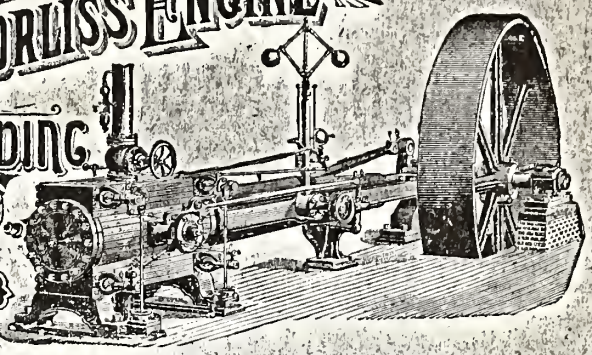

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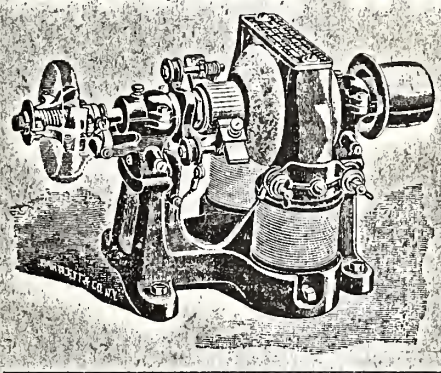

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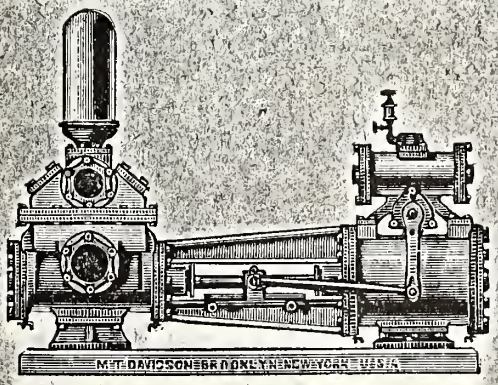

THE DAVIDSON STEAM PUMP.

Stewart, John M. 56 Pine
Stout, Edmund C. 40 Broadway
Stuart, Carl W. 31 Broad
Sutherland, M. A. 52 Liberty
Talcott, Ed. N. Kirk, 57 Broadway
Thomas, Jos. 80 Broadway
Thomas, Jos. R. 32 Pine
Thompson, Henry C. 49 Liberty
Towl, Theo. M. 26 Broadway
Turk, J. G. 76 Tribune bldg
Van Slotten, Wm. 74 Wall
Vermeule, Clarkson C. 71 Broadway
Waring, Chapman & Farquhar, MacIntyre bldg, 874 Broadway
Webster, A. L. 3 Broad
Wegmann, Ed. jr. 324 St. Nicholas av
Wells, J. Leland, 38 Park row
Weston, Theodore, 31 Broad
White, W. H. 74 Wall
White, Wm. H., 32 Pine
White & Rusling, 137 Broadway
Williamson, F. S. 1 Broadway
Wingate, Chas. F. 119 Pearl
Wolff, Alfred R. 38 Park row
Worthen, Wm. E. 63 Bleeker
Yates, John A. & Co. 35 Broadway

ENGINEERS, ELECTRICAL.

Batemann & Pollard, 1434 E. 23d
Bell, Louis, 167 Times bldg
Birdsall, Edward T. 115 Broadway
Chamberlain, J. C. 136 Liberty
Chesley, W. S. & Co. 136 Liberty
Cornell Electrical Eng. Co. 45 Broadway
Crocker, Francis B. 41 E. 49th
Davis, Chas. H. 120 Broadway
Engineering & Supply Co. 136 Liberty
Field Engineering Co. 143 Liberty
Hamblet, James, 195 Broadway
Hamilton, George, 22 Thames
Hammer, William J. 5 Beekman
Haskins, Charles H. 80 Broadway
Hatzel & Buehler, 29 W. 26th

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HATZEL & BUEHLER,
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Pattison Bros. 135-137 Broadway
Pollack, Alexander, 15 Cortlandt
Reed & McKibbin, 2 Wall

ENGINEERS, MECHANICAL.

Aller, A. 109 Liberty
Amalgamated So. of Engineers, 333 E. 18th
American Society Mechanical Engineers, 12 W. 31st
Ashley Engineering Co. 136 Liberty
Atlas Iron Construction Co. Times bldg
Backus, Peter & Son, 133-135 W. 25th (see add p. 64)
Balch, Samuel W. 155 Broadway
Baldwin, Frank R. 126 Liberty
Baldwin, Wm. J. 277 Pearl
Bang, Henry A. 1214 Broadway
Barnard, George A. & Co. 15 Cortlandt
Barnard Engineering Co. 15 Cortlandt
Barry, J. F. & Co. 52 William
Becker, John, 5 Beekman
Birdsall & Bourne, 115 Broadway
Blasi, John, 54 W. Broadway
Blunt, William S. 47 Beekman
Braidwood, Wm. 213 Centre
Bramwell, George W. 120 Broadway
Brandon, James, 390 Eleventh av
Brevoort, Henry L. 206 Broadway
Brow, H. P. 45 Wall
Bruns, C. L. 145 Broadway
Bulkley, Henry W. 125 Times bldg
Burns, Elmer Z. 120 Broadway
Burpee, George H. 136 Liberty
Carter, Wm. H. 479 E. 136th
Christensen, August C. 24 State
Chappell, Geo. F. 86 Pike
Chappell, Geo. H. 143 Elm
Clark, Chas. L, 55 Liberty
Colman, Frank B 13 Park row
Conover & Co. 95 Liberty
Converse, M. D. 90 Nassau
Copeland, Charles W. 19 Barclay
Copper, T. 35 Broadway
Cowles, William, 45 Broadway
Craft, James B. 15 Cortlandt
Craig, William, 107 Liberty
Crouthers, James A. 21 Cortlandt
Cummings, Joseph, 45 Duane
Cummings & Brandon, 1441 Broadway and 390 Eleventh av
Davis, Charles H. 120 Broadway
Dean & Westbrook, 32 Liberty
DeBeauvais, Jules, 2 Howard
Dennison, S. P. 50 Broadway
Deryeke, Joseph, 145 Broadway
Dickinson, P. P. 7 Nassau
Dockam, Ed. H. 72 Cortlandt, Manager Deane Steam Pump Co.
Dole, Thomas E. 161 Broadway
Downs, Wm. 74 Cortlandt
Eccles, John L. 2 W. Third
Edwards, Jos. & Co. 412 Water
Ellison & Co. 2077 Seventh av
Everitt, Percival J. 174 Chambers
Faberdufaur, Adolph, 132 Nassau
Fish, John, 164 Maiden la
Fiske, Henry G. 13 Park row
Flannery, Joseph, 11 Pine
Forrest Marine Power Works, 115 Liberty
Foster, J. M. & Co. 83 Fulton
Gadsden & Co. 19 Whitehall
Gaunt & Martinez, 115 Broadway
Genoy, M. 10 Park pl
Giblin, Thomas F. 418 E. 19th
Gielow, Henry J. 239 Broadway
Gray, Albert, 150 William
Gray, H. F. 74 Cortlandt
Greene, Tweed & Co. 83 Chambers (see add p. 53)
Grimshaw, Robert, 21 Park row
Hain, F. K. 71 Broadway
Hammett, W. A. 18 Cortlandt
Handren & Robbins, 126 Washington
Hanimann, Charles, 115 Broadway and 501 W. 52d

Harris, Joel L. 145 Broadway
Heath, Frederick C. 36 Cortlandt
Heineeke, Charles, 45 William
Henning, Gustavus C. 5 Beekman
Herrick, Jas. A. 19 Whitehall
Hoffman, William H. 108 Liberty
Hogan Engineering Co. 280 Broadway
Hogan, John, 280 Broadway
Howard Foundry & Mach. Works, 114 Liberty (see add p. 19)
Hurry & Martinez, 115 Broadway
Hussey, Levi, 15 Cortlandt
Huston, R. M. 45 Broadway

Idell, F. E, 41 Dey
Inman, Williard F. 32 Liberty

Jacobi, Albert W. 74 Cortlandt
Kent, William, 125 Times bldg
Krom, Stephen R. 151 Cedar

Lawton, Montague, 34 Park row
Longden, John N. 1300 Broadway
Long & Allstatter Co. 136 Liberty

MacCormack, John, 45 Broadway
McLean Engineering Co. 136 Liberty
Magovern, Edward E. 22 Cortlandt
Mahoney, James & Son, 245 Broadway
Mahoney Engineering & Safety Boiler Co. 245 Broadway
Mailloux, C. O. 32 Liberty
Mallory, Geo. B. 50 Broadway
Merriam, Henry P. 11 Charlton
Milliken & D'Amour, 151 Cedar
Mitchell & Boyeson, 149 Eleventh av
Morgan Eng. Co. 136 Liberty
Morse, Cyrus B. 17 Franklin
Moss, Lincoln, 71 Broadway

Napier, Arthur H. Lincoln bldg, 1-3 Union sq
Naylor, Ernest W. 149 Broadway
Neu, Gustave S. 40 Dey
Newhall, Geo. M. Eng. Co. Ltd. 41 Wall
Niles, H. B. 109 Liberty
Nirrnheim & Palmedo, 14 Dey
O'Connor, John F. K. 45 Exchange pl
Odell, William H. 45 Dey
O'Kelly, J. Movus, 82 Broadway
Oppenheim, Edward C. 117 Duane and 32 Thomas
Paley, Wm. 2015 Seventh av
Paine, C. & Sons, 71 Broadway
Palmer, Richard E. 32 Liberty
Parsons, Harry de B. 35 Broadway
Patterson Bros. 137 Broadway
Pendleton, John H. 5 Beekman
Philip, Casimir V. 18 Liberty
Pollock, Alexander, 15 Cortlandt
Post & McCord, 120 Broadway (see add p. 33)
Price, Geo. B. 49 Dey
Raettig, Charles, 24 State
Read, Albert D. 21 Beekman
Red Fort Iron Works, 239-241 West
Rees, R. 157 Norfolk
Rendall, George F. 111 Broadway
Reynolds, George H. 40 Wall
Rodgers, William H. 63 Fulton
Ross, A. Stoughton, 15 State
Scheubert, Julius, 24 State
Schloss, Newton L. 126 Liberty
Scholl, Julian & Co. 40 Cortlandt
Seller, Henry W. 136 Liberty
Serrell, Lemuel W. 115 Broadway
Sewell, C. H. & Co. 17 Broadway
Shipman, James W. 154 Nassau
Staats, R. P. & J. H. 35 Broadway (see add p. 133)
Starkey, John W. 17 Amsterdam av
Stillman, Oscar B. 58 William
Strong, George S. 45 Broadway
Sutton, John W. 155 W. 29th

Thomas, Charles W. 5 Beekman
Thompson, Reed & Co. 32 Liberty
Thorpe, Henry P. 203 Bleecker
Tourtellotte, Edward F. 21 Park row
Turner, William S. 76 Cortlandt

Vanwinkle, Franklin, 126 Liberty
Voss & Evans, 405 E. 47th

Wahl, Louis & Co. 124 E. 129th
Walters, J. W. 5 Beekman
Waring, John B. 15 State and 4 Pearl
Watkins, Alfred E. 173 Broadway
Weightman, William H. 29 Broadway
Weissenborn, Gust, 381 Pearl
White, W. H. 74 Wall
Whitton, James, 19 Whitehall
Williams & Potter, 15 Cortlandt
Winslow, Edward J. 161 Broadway
Wolff, Alfred R. 315 Potter bldg
Wood, Edgar J. 243 Broadway
Wood Bridge & Turner Engineering Co. Times bldg, 41 Park row
Worthington, Henry R. 86 and 88 Liberty

ENGINEERS, MINING.

Am. Institute of Mining Engineers, 13 Burling sl
Bacon, Geo. H. 74 Cortlandt
Benedict, William de L 32 Liberty
Briggs, Jas. E. 80 Cortlandt
Buckley, Chas. R. 29 Broadway
Bush, E. Renshaw, 104 John
Church, John A. 13 Burling sl
Corning, Frederick G. 15 Broad
Cuming, F. & Co. 15 Broad
DeKalb, C. R. 45 Broadway
Foljambe, H. C. 39 Broadway
Greene, Tweed & Co. 83 Chambers (see add p. 53)
Hague, James D. 18 Wall
Hale, Albert W. 31 Broad
Hooker & Lawrence, 145 Broadway
Hunt & Robertson, 77 Pine
Kempton, C. W. & Arthur Thacher, 61 Broadway
Lebanon, J. T. 61 Broadway
Leggett, Thos. H. 18 Broadway
Lyon, Jas. E. 21 Park row
McChesney, J. H. 41 Broadway
McDermott & Duffield, 2 Wall
Maynard, George W. 31 Nassau
Mayo, Jas. H. 31 Nassau
Mott, H. A. 102 Broadway
Nau, John B. 35 Broadway
Oleott, Eben E. 18 Broadway
Peele, Robert, jr. 18 Broadway
Randolph, John C. F. 35 Broadway
Raymond-Rossiter, W. 13 Burling sl
Rider, William E. 13 Park row
Ruttman, Ferdinand S. 35 Broadway
Smith, W. A 101 Pearl
Snedeker & Morrow, 18 Cortlandt

ENGINEERS' SUPPLIES, ARTESIAN AND WELL.

Bagott, R. H. 116 John
Bell, Geo. H. 36 John
Brown, Andrew H. 1784 Broadway
Dimock, Fink & Co. 80 John
Eaton, Cole & Burnham Co. 82 Fulton
Gooding, Beinert & Co. 80 John
Green, B. H. 258 South
Greeg, W. T. 122 Fulton
Joyce, E. T. 3 Dutch
Katzenstein, L. & Co. 357 West
Motley, T. N. & Co. 43 John
Oil City Tube Co. 32 Cortlandt
Oil Well Supply Co. 32 Cortlandt
Pierce Artesian & Oil Well Supply Co. 80 Beaver and 127 Pearl (see add p. 212)
Regan, John, 153 Franklin
Rogers, H. A. 19 John
Sweeney, M. A. 577 Grand
The Knapp Mfg. Co. 22-24 Frankfort

ENGINEERS' SUPPLIES, CIVIL.

Bagott, R. H. 116 John
Bell, Geo. H. 36 John
Brown, Andrew H. 1784 Broadway
Dimock, Fink & Co. 80 John
Eaton, Cole & Burnham, Co. 82 Fulton
Gooding, Beinert & Co. 80 John
Greeg, W. T. 122 Fulton
Green, B. H. 258 South
Joyce, E. T. 3 Dutch
Katzenstein, L. & Co. 357 West
Motley, T. N. & Co. 43 John
Oil City Tube Co. 32 Cortlandt
Oil Well Supply Co. 32 Cortlandt
Pierce Artesian & Oil Well Supply Co. 80 Beaver and 127 Pearl (see add p. 212)
Regan, John, 153 Franklin
Rogers, H. A. 19 John
Sweeney, M. A. 577 Grand
The Knapp Mfg. Co. 22-24 Frankfort

ENGINEERS' SUPPLIES, ELECTRICAL.

Alexander, Barney & Chapin, 18 and 20 Cortlandt
Bagott, R. H. 116 John
Bell, Geo. E. 36 John
Brown, A. H. 1784 Broadway
Crocker-Wheeler Electric Co. 430-432 W. 14th (see add opposite p. 327)
Dimock, Fink & Co. 80 John, 214-216 E. 125th
Edison Mfg. Co. Edison bldg. 42-44 Broad
Electrical Engineering & Supply Co. 18 Cortlandt
Elektron Mfg. Co. 89 Liberty
Gooding, Beinert & Co. 80 John
Greeg, W. T. 121 Fulton
Green, B. H. 258 South
Joyce, E. T. 3 Dutch
Katzenstein, L. & Co. 357 West
Motley, T. N. & Co. 43 John
Pollack, Alex. 15 Cortlandt
Regan, John, 153 Franklin
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add pp. 62, 63)
Rogers, H. A. 19 John
Safety Insulated Wire & Cable Co. 234 W. 29th
Schawel, James & Co. 29 John
Sweeney, M. A. 577 Grand
The International Okonite Co. 13 Park row (see add)
The Knapp Mfg. Co. 22-24 Frankfort
Winstrom Const. Dynamo & Motor Co. 15 Cortlandt
Wing, L. J. & Co. 126 Liberty (see add opposite second Ward)

ENGINEERS' SUPPLIES, MINING.

Bagott, R. H. 116 John
Bell, Geo. E. 36 John
Bishop Gutta Percha Co. 422 E. 25th
Brown, A. H. 1784 Broadway
Dimock, Fink & Co. 80 John, 214-216 E. 125th
Eaton, Cole & Burnham Co. 82 Fulton
Gooding, Beinert & Co. 80 John
Greeg, W. T. 122 Fulton
Green, B. H. 258 South
Joyce, E. T. 3 Dutch
Katzenstein, L. & Co. 357 West
Motley, T. N. & Co. 43 John
Oil City Tube Co. 32 Cortlandt
Oil Well Supply Co. 32 Cortlandt
Pierce Artesian & Oil Well Supply Co. 80 Beaver and 127 Pearl (see add p. 212)
Pollack, Alexander, 15 Cortlandt
Regan, John, 153 Franklin
Rogers, H. A. 19 John
Sweeney, M. A. 577 Grand
The Knapp Mfg. Co. 22-24 Frankfort

ENGINEERS' SUPPLIES, MECHANICAL.

Aller, A. 109 Liberty
Bagott, R. H. 116 John
Beggs, Jas. A. & Co. 9 Dey
Bell, Geo. E. 36 John
Bigelow, Chas. R. 45 Dey
Black, J. R. 357 W. 40th
Blewitt, James, 425 Seventh av
Brown, Andrew H. 1784 Broadway
Church & Sleight, 109 Fulton
Clash, Richard J. 5-9 Elm

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5, 7 and 9 ELM STREET,

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Dienst, Adam P. 6 Reade, 32 Duane, 2604 Third av
Dienst & Fink, E. 140 cor. Third av. and 32 Ferry
Eckle, Fred. 16 Burling slip
Engineering Equipment Co. Central bldg. 143 Liberty
Faul, William J. 120 Liberty
Frasse, Peter A. & Co. 95 Fulton
Giannini, Gaetano W. 503 W. 42d
Gilbert & Baker Mfg. Co. 90 John
Gooding, Beinert & Co. 80 John
Greeg, W. T. 122 Fulton
Green, B. H. 258 South
Greene, Tweed & Co. 83 Chambers (see add p. 53)
Hanna, Manuel J. 192 Water
Hayes, Edwin A. 262 West
Hine & Robertson, 45 Cortlandt
Joyce, E. T. 3 Dutch
Katzenstein, L. & Co. 357 West
Leonard & McCoy, 118 Liberty
Moran & Sanderson, 53 Wooster
Motley, T. N. & Co. 43 John
National Pipe Bending Co. 15 Cortlandt
Patterson, Gollfried & Hunter (Ltd.) 148 Centre
Pollack, Alex. 15 Cortlandt
Regan, John, 153 Franklin
Roberts, Geo. I. & Bros. 471–473 Fourth av (see add pp. 62, 63)
Rogers, H. A. 19 John
Royal Silk Mfg. Co. 2 Stone
Rumrill, Chas. M. 94 Liberty
Schwabeland, John, 112 Liberty
Secor, A. W. jr. 112 Liberty
Sondheimer, F. A. 221 Front
Sweeney, M. A. 577 Grand
Tabor Mfg. Co. 111 Liberty
The Knapp Mfg. Co. 22-24 Frankfort
Thornton, J. jr. 45 Mercer
Vanwagenen, Geo. 233 West
Waterbury, Chas. L. 81 Liberty

ENGINE AND BOILER DEALERS.

Abendroth & Root Mfg. Co. 28 Cliff (see add opp. Key to Ward Atlas)
Ames Iron Works, 38 Cortlandt
Backus, Peter & Son, 133-135 W. 25th (see add p. 64)
Ball & Wood Co. 15 Cortlandt
Barnhurst, Wm. 46 Cortlandt
Barron, H. J. 74 Cortlandt
Beggs, James & Co. 9 Dey
Bigelow, C. R. 45 Dey
Blake & Williams, 197 Wooster (see add pp. 42, 65
Boltons', G. & J. R. Imp. Hot Water Heater, 114 Liberty, Geo. H. Raymond, Mgr. (see add p. 69)
Briggs, M. 61 Rutgers
Buckeye Engine Co. 18 Cortlandt
Campbell Engine Co. 35 Wall
Clapp, G. M. 74 Cortlandt
Cole, W. H. 80 Fifth av
Cook & Co. 163 Washington
Copeland, E. T. & Co. 106 Liberty
Copeland & Bacon, 85 Liberty
Davidson, M. T. 77 Liberty (see add opposite p. 327)
Dickson Mfg. Co. 52 John
Donnegan & Swift, 11 Murray
Fish, John, 164 Maiden la
Fisher, Albert, 89 Liberty
Fishkill Landing Machine Co. Fishkill on the Hudson
Fleming, W. R. & Co. 174 Fulton
Fletcher, W. & A. Co. 266 West
Fraser & Chalmers, 2 Wall
Frazer, E. 124 Water
Grant Locomotive Works, 41 Wall
Hammett, W. A. 18 Cortlandt
Hampson, E. P. & Co. 36 Cortlandt
Handrin & Robins, 126 Washington
Harrison Safety Boiler, 41 Dey
Hawthorn & Co. 12 Cortlandt
Hayward, S. F. & Co. 351 Canal
Hooven, Owens & Rentschler Co. 18 Cortlandt
Innis', John, Sons, 453 West
Iredell, F. W. 10 Park pl
Kelley, B. F. & Son, 91 Liberty
Lathrop & Co. 66 Cortlandt
Leffel, Jas. & Co. 110 Liberty
Leonard & McCoy, 118 Liberty
Lidgerwood, Mfg. Co. 96 Liberty
Love, U. & C. W. 141 Elm
Macdonald, J. A. & Co, 296 Sixth av
Mackinnon Machine Co. 22 Warren
McSwegan, F. Franklin sq
Morgan Iron Works, 814 E. 9th
National Water Tube Boiler Co. 18 Cortlandt (see add p. 53)
Newell Universal Mill Co. 136 Liberty
N. Y. Locomotive Works, 45 Wall
N. Y. Safety Steam Power Co. 30 Cortlandt
Noye, John T. Mfg. Co. 89 Liberty
Oil Well Supply Co. 32 Cortlandt
Payne, B. W. & Sons, 41 Dey

B. W. PAYNE & SONS,

AUTOMATIC CORLISS & COMPOUND ENGINES,

No. 41 DEY STREET,

NEW YORK.

See Advertisement, page 54.

Phœnix Iron Works, 15 Cortlandt
Pierce & Thomas, 42 Cortlandt
Pollack, Alexander, 15 Cortlandt

Porter Mfg. Co. 42 Cortlandt
Prentiss Tool Supply Co. 115 Liberty
Putnam Machine Co. 115 Liberty
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add pp. 62, 63)
Roelker, H. B. 22 Cortlandt
See, H. 1 Broadway
Simpson, W. L. 18 Cortlandt
Skinner Engine Co. 15 Cortlandt
Stearns Mfg. Co. 136 Liberty
Strong Locomotive Co. 45 Broadway
Sturtevant, B. F. Co. 91 Liberty
Tabor Mfg. Co. 111 Liberty
Theall, Horace, 65 Bethune
The American Engineering Co. World bldg
The Hazelton Boiler Co. 716 E. 13th
Todd, Jos. C. 36 Dey
Union Iron Works, 145 Broadway
U. S. Supply Co. 51 John
Vincent, C. R. & Co. 15 Cortlandt
Wells Engine Co. 93 Liberty
Westinghouse, Church & Kerr Co. 17 Cortlandt
Whitehill, Robt. 21 Cortlandt
Williams & Potter, 15 Cortlandt
Wilson & Roake, Front and Dover
Wing, L. J. Co. 126 Liberty (see add opposite second ward)
Wood, E. J. 243 Broadway

ENGINES, AUTOMATIC.

Ames Iron Works, 38 Cortlandt
Ball & Wood Co. 15 Cortlandt
Becket Foundry & Machine Co. 121 Liberty
Buckeye Engine Co. 18 Cortlandt
Erie City Iron Works, 9 Dey
Fitchburg Steam Engine Co. 136 Liberty
Hampson, Edward P. & Co. 36 Cortlandt
Howard & Morse, 45 Fulton (see add p. 5)
New York Safety Steam Power Co. 30 Cortlandt
Noye, John T. Mfg. Co. 89 Liberty
Payne, W. B. & Sons, 41 Dey (see add p. 54)
Phœnix Iron Works Co. 15 Cortlandt
Pierce & Thomas, 42 Cortlandt
Putnam Machine Co. 115 Liberty
Simonds Mfg. Co. 50 Cliff
Straight Line Engine Co. 15 Cortlandt
Sturtevant, B. F. & Co. 91 Liberty
Westinghouse Machine Co 17 Cortlandt
Williams & Potter, 15 Cortlandt

ENGINES, CENTER CRANK.

Ames Iron Works, 38 Cortlandt
Hampson, Edward P. & Co. 36 Cortlandt
Liffel, James & Co. 110 Liberty
New York Safety Steam Power Co. 30 Cortlandt
Pierce & Thomas, 42 Cortlandt
The Ball & Wood Co. 15 Cortlandt

ENGINES, COMPOUND PRESSURE.

Ames Iron Works, 38 Cortlandt
Buckeye Engine Co. 18 Cortlandt
Hampson, Edward P. & Co. 36 Cortlandt
Noye, John T. Mfg. Co. 89 Liberty
Payne, B. W. & Sons, 41 Dey
Pierce & Thomas, 42 Cortlandt
The Ball & Wood Co. 15 Cortlandt

ENGINES, CORLISS.

Ames Iron Works, 38 Cortlandt
Becket Foundry & Machine Co. 121 Liberty
Buckeye Engine Co. 18 Cortlandt
Fraser & Chalmers, 2 Wall
Hampson, Edward P. & Co. 36 Cortlandt
Hoovens, Owens & Rentschler Co., W. A. Hammett, agent, 18 Cortlandt
Payne, B. W. & Sons, 41 Dey (see add p. 54)
Pierce & Thomas, 42 Cortlandt
Pollock, Alexander, 15 Cortlandt

ENGINES, DOUBLE.

Ames Iron Works, 38 Cortlandt
Fitchburg Steam Engine Co. 46 Cortlandt
Hampson, Edward P. & Co. 36 Cortlandt
Pierce & Thomas, 42 Cortlandt
The Ball & Wood Co. 15 Cortlandt

ENGINES, DOUBLE AND TRIPLE. EXPANSION COMPOUND.

Hampson, Edward P. & Co. 36 Cortlandt
Noye, John T. Mfg. Co. 89 Liberty
Payne & Sons, 41 Cortlandt (see add p. 54)
Pierce & Thomas, 42 Cortlandt

ENGINES, DUPLEX.

Ames Iron Works, 38 Cortlandt
Buckeye Engine Co. 18 Cortlandt
Copeland & Bacon, 85 Liberty
Frisbie, D. Co. 112 Liberty (see add p. 12)
Hampson, Edward P. & Co. 36 Cortlandt
Lidgerwood Mfg. Co. 96 Liberty (see add inside front cover)
Shortt Duplex High Speed Engine Co. 136 Liberty
Whittier Machine Co. 91-93 Liberty

ENGINES, HOISTING.

Baggerly, J. 51 South
Beckett Foundry & Machine Co. 121 Liberty
Beggs, James & Co. 9 Dey
Craft, Jesse & Co. 260 Front
Copeland & Bacon, 85 Liberty

Crook, W. A. 163 Washington
Donegan & Swift, 11 Murray
Edwards, J. & Co. 412 Water
Fisher, D. & Co. 112 Liberty
Fraser & Chalmers, 2 Wall
Frisbie, D. Co. 112 Liberty (see add p. 12)
Hampson, Edward P. & Co. 36 Cortlandt
Lidgerwood Mfg. Co. 96 Liberty (see add front inside cover)
Mansfield, H. H. 52 Wall
Morse, William & Co., John Keir, manager, 108 Liberty (see add p. 11)
New York Safely Steam Power Co. 30 Cortlandt
Otis Bros. & Co. 38 Park row (see add p. 10)
Pierce & Thomas, 42 Cortlandt
Pollack, Alex. 15 Cortlandt
Reedy, J. W. Elevator Mfg. Co. 31-33 Tenth av
Rushworth, J. 246 W. 27th
Stokes & Parish, 18 Cortlandt
Whittier Machine Co. 91-93 Liberty

ENGINES, HOT AIR PUMPING.

The Delamater Iron Works, 87-89 S. Fifth av, down town office 21 Cortlandt (see add p. 57)

ENGINES, PORTABLE.

Ames Iron Works, 38 Cortlandt
Buckeye Engine Co. 18 Cortlandt
Cleveland & Hardwick, 46 Cortlandt
Hampson, Edward P. & Co. 36 Cortlandt
Leffel, Jas. & Co. 110 Liberty
Lidgerwood Mfg. Co. 96 Liberty (see add inside front cover)
New York Steam Power Co. 30 Cortlandt
Oil City Boiler Works, 116 Liberty
Payne, B. W. & Sons, 41 Dey (see add p. 54)
Phœnix Iron Works, 15 Cortlandt
Pierce & Thomas, 42 Cortlandt
Rand Drill Co. 23 Park pl (see add p. 3)
Skinner Engine Co. 15 Cortlandt

ENGINES, PUMPING.

Allen, Charles G. 34 Dey
Beggs, James & Co. 9 Dey
Blake, Geo. F. Mfg. Co. 95 Liberty
Buffalo Steam Pump Co. 76 John
Cameron, A. S. Steam Pump Works, 433 E. 23d)
Craft, Jesse & Co. 266 Front
Davidson Steam Pump Co. 77 Liberty (see add opposite p. 327)
Deane Steam Pump Co. 72 Cortlandt
Deely, R. & Co. ft. W. 32d
Delamater Iron Works, 21 Cortlandt (see add p. 57)
Donegan & Swift, 11 Murray
Eastwood, Benjamin, M. M. Moore, manager, 112 Liberty
Gordon Steam Pump Co. The, 98 Liberty
Hall Steam Pump Co. 91 Liberty
Hardicks, Chas. B. 34 Dey
Holly Mfg. Co. The, 45 Broadway
Hubbard, Norman, 93 Pearl, Brooklyn (see add p. 55)
Knowles Steam Pump Works, 93 Liberty
Leonard & McCoy, 118 Liberty
Pulsometer Steam Pump Co. 120 Liberty (see add p. 54)
Rider, Eugene, Co. 37 Dey
Safety Electric Construction Co. 143 Elm
Sayer & Co. 37 Dey
Smith & Vaile, 112 Liberty (see add p. 56)
Snow Steam Pump Works, 116 Liberty
Tucker, C. H. jr. & Bro. 126 Liberty
Worthington, Henry R. (firm of) 88 Liberty
Worthington Pumping Engine Co. 145 Broadway

ENGINES, SELF-CONTAINED.

Donegan & Swift, 11 Murray
Lathrop & Co. 80 John
Pierce & Thomas, 42 Cortlandt

ENGINES, SIDE CRANK.

Ames Iron Works, 38 Cortlandt
New York Safety Steam Power Co. 30 Cortlandt
Pierce & Thomas, 42 Cortlandt

ENGINES, SLIDE VALVE.

Craft, Jesse & Co. 260 Water
Globe Machine Co. 35 Broadway
Fiederlein, F. 462 Tenth av
Leffel, Jas. & Co. 110 Liberty
Pierce & Thomas, 42 Cortlandt

ENGINES, STATIONARY.

Ames Iron Works, 38 Cortlandt
Ball & Wood Co. The, 15 Cortlandt
Cleveland & Hardwick, 46 Cortlandt
Cook & Co. 163 Washington
Deeley, Robt. & Co. ft. W. 23d
Fiederlein, Fred. 426 Tenth av
Fishkill Landing Machine Co. Fishkill-on-the-Hudson
Globe Machine Co. 35 Broadway
Hampson, Edward P. & Co. 36 Cortlandt
Hoass, Chas. 509 E. 18th
Hooven, Owens & Rentschler Co. 18 Cortlandt
Howard & Morse, 45 Fulton (see add p. 5)
Jonson Foundry and Machine Co. 118th and Harlem River
Leffel, Jas. & Co. 110 Liberty
Oil Well Supply Co. 32 Cortlandt
Palmer, N. F. & Co. ft. E. 12th
Phœnix Iron Co. 10 W. 23d

Pollack, Alexander, 15 Cortlandt
Porter Mfg. Co. 42 Cortlandt
Rushworth, J. 246 W. 27th
Straight Line Engine Co. 15 Cortlandt

ENGINES, VERTICAL.

Ball & Wood Co. The, 15 Cortlandt
Donegan & Swift, 11 Murray
Fitchburg Steam Engine Co. 46 Cortlandt
Globe Machine Co. 35 Broadway
Lathrop Co. 80 John
Leffel, Jas. & Co. 110 Liberty
N. Y. Safety Steam Power Co. 30 Cortlandt
Payne, B. W. & Sons, 41 Dey (see add p. 54)

ENGRAVERS' MACHINERY

Howard Foundry and Machine Works, 114 Liberty (see add p. 19)

ENVELOPE MACHINERY.

Rau, Martin, 39 Centre

ESCAPES, FIRE.

Ætna Iron Works, 298-300 E. 64th (see add p. 51)
Althause, S. B. & Co. 101-103 Thompson (see add p. 27)
Aronowitz, Louis, 237 Broome
Blake & Duffy, 513 W. 25th
Bowes Iron Works, 227 W. 29th
Central Iron Works, 203 E. 30th (see add p. 44)
Cook, Francis, 406 W. 37th
Cook & Radley, 216 E. 37th
Cornell, J. B. & J. M. 141 Centre (see add pp. 35, 37, 39)
Dimond, J. G. & T. 209 W. 33d
Empire Iron Works, 520 W. 22d
Ferdom, Samuel B. 129 W. 31st
Grimm, R. 432 E. 18th (see add p. 48)
Hafers, Chris. 407 W. 37th (see add p. 34)
Hoffman & Schubaek, 123 Horatio
Jackson Arch. Iron Works, 315 E. 28th (see add p. 31)
Lyon, W. E. 202 E. 46th (see add p. 46)
Mfrs. Fire Equipment Co. 155 Broadway
Marrens, Jos. Sons, 157 E. 44th
Moselain, Valentine, 420 E. 48th
Muhl, J. & Son, 329 E. 33d (see add p. 50)
Metropolitan Iron Works, 304 E. 95th
Nichols, Samuel & Son, 66 W. 3d
Pardessus, S. J. 10 College pl
Schramm, M. W. 1319 Third av
Schubert, Brunno, 344 W. 44th
Toner, Edward A. 166 W. 18th
Travers, J. P. & Son, 46 Beekman
Vaughn, E. S. & Sons, 103 Maiden lane
Westing, Theo. 449 W. 41st
West Side Arch. Iron Works, 553 W. 33d (see add p. 29)
Yale Safe and Iron Co. 331 Madison av

ESTATES, OFFICES OF.

Aldrich, Herman D. 45 Broadway
Alger, Daniel B. 167 Front
Anderson, E. Ellery, 325 E. 37th
Astor Estate, 23 W. 26th
Ayer, J. C. 15 Broad

Baker & Clarke, 170 Broadway
Barclay, Henry, 81 Stewart bldg
Barker, Stephen, 99 Nassau
Barnes, Demas, 21 Park row
Barnes, Edward W. 68 William
Beadel, Henry, 120 Front
Beard, Wm. 16 Beaver
Bowne, Walter, 145 Broadway
Boyd, Alexander, 62 Bowery
Brown, James, 59 Wall
Brush, Sylvester, 31 Nassau
Buckley, Abel C. 37 Ferry
Burr, Calvin, 15 Broad
Byrnes, Matthew, 203 Lexington av

Chandler, E. S. & J. W. 16 Exchange pl
Chittendon, S. B. 11 Wall
Church, Simeon E. 31 Nassau
Cisco, John J. 32 Nassau
Clapp, George P. 24 State
Clark, Alfred Corning, 25 W. 23d
Coe, Chas. A. 149 Broadway
Cossitt, F. H. 68 William
Coster, Edward H. 10 Wall
Cowdey, Nathan A. 2 Wall
Crary, Charles, 5 Beekman
Curtiss, Charles, 38 Park row
Cushman, D. Alonzo, 172 Ninth av

Dash, Daniel B. 145 Broadway
Davis, Thomas E. 84 Nassau
Dodd, John M. 35 Broadway
Dodge, Wm. E. 9 Cliff
Eakin, Thomas, 33 Nassau

Fayerweather, D. B. 38 Park row
Fitzpatrick, Peter E. 63 Norfolk
Folsom Estate, 5 Beekman
Foster John, 204 E. 19th

Gilsey, Peter, 1193 Broadway
Gustin, J. A. 31 Broadway

Hale, Joseph P. 11 Pine
Hall, Valentine G. 111 Broadway
Hamersley, John W. 127 Water
Hamilton, John C. 229 Broadway
Hart, Charles B. 183 Broadway
Helm, Duplessis M. 202 Broadway
Hemenway, Augustus, 35 Broadway
Henderson, Isaac, 206 Broadway
Hersfield, Julius, 60 Broadway
Higgins, Elias S. 10 W. 23d
Hoffman, Samuel V. 4 Warren
Hossack, D. 20 Nassau
Hoyt, Jesse, 1 Broadway
Hunt, S. I. 171 Broadway

Jacobs, Samuel R. 41 New
Johnson, Braddish, 430 W. 16th
Jones, David, 5 Beekman

Kennedy, Robert L. 15 Cortlandt
Kenyon, John S. 99 Nassau

Leech, William F. 1 Broadway
Leger, Henry, 32 Broadway
Lord J. Couper, 68 Wall
Lorillard Estate, 3 Mercer

Lottimer, William, 44 Exchange pl
Low, Nicholas, 1 Cottage pl
Lynch, Edward J. 215 E. 36th
McCready, N. L. 44 Broadway
Marsh, Rolph, 51 Liberty
Marshall, John R. 45 Pine
Matthews Estate, 10 Wall
Mayer, Bernhard, 99 Nassau
Mayer, Solomon L. 99 Nassau
Meeks, John, 30 Vesey
Meeks, Joseph W. 30 Vesey
Menck, S. 20 Nassau
Minturn, John W. 45 William
Minturn, Robert B. 45 William
Mitchell, John W. 41 Wall
Mitchell, S. L. 30 Broadway
Moffat, John, 235 Broadway
Moller, Peter, 96 Wall
Moore, W. S. 95 Nassau
Morgan, Edwin D. 54 Exchange pl
Morse, G. Livingston, 140 Nassau
Mortimer, Richard, 11 Wall
Mott, Hopper S. 769 Eleventh av
Needham, H. M. 99 Nassau
Ogden, William B. 214 Broadway
Opdyke, George, 20 Nassau
Palmer, Courtlandt, 850 Broadway
Patten, Edgar, 529 Broadway
Phelps, Isaac N. 54 Wall
Philips, Samuel, 214 W. 19th
Pitscke, W. F. 145 Broadway
Poillon, L. A. 39 Nassau
Power, J. H. 115 Nassau
Rhinelander, William C. 155 W. 14th
Rogers, George P. 52 William
Sackett, Adam T. 55 Liberty
Sailors' Snug Harbor, 74 Wall
Sanger, Henry, 52 Wall
Scott, W. B. 52 New
Sickles, George G. 79 Nassau
Simonson, Alfred L. 218 Fulton
Smith, Daniel Drake, 115 Broadway
Smith, M. 15 Cortlandt
Smith, U. J. 15 Cortlandt
Stewart, Cornelia M. 115 Broadway
Stewart Estate, 62 Fourth av
Stokes, James, 59 Liberty
Stuyvesant Estate, 51 Liberty
Sullivan, Algernon S. 45 Wall
Tanenbaum, Leon, 529 Bryadway
Tilden, Samuel J. 15 Gramercy pk
Titus, James H. 55 Liberty
Trinity Estate, 187 Fulton
Tucker, George W. 15 Cortlandt
Vanrensselaer Estate, 187 Fulton
Van Voorhies, E. W. 132 Nassau
Vanzant, William T. 169 William
Waterbury Estate, 132 Front
Watson, William, 260 Church
Weeks, Jacob, 283 Elizabeth
Weil, Max, 150 Broadway
Welsh, George W. 233 Greenwich
Wendel, John D. 79 Maiden la
Whitney, Stephen, 15 Cortlandt
Widmayer, George, 35 Broadway
Woodhouse, Sylvester L. 159 Front
Wyman, Samuel, 45 Broadway
Young, John S. 245 Broadway

EXCHANGES, MERCANTILE, ETC.

American Furniture Mfrs. Exposition Assn. Lexington av, cor. 44th
Am. Horse Exchange (Ltd.), 1644 Broadway
Brewers' Exchange of N. Y. 109 E. 15th
Building Material Exchange, 65 Liberty
Coffee Exchange, 53 Beaver
Consolidated Stock & Petroleum Exchange, 60 Broadway
Consolidated Stock & Produce, 50 New
Contractors' Exchange, 202 Stewart bldg
Foreign Fruit Exchange, 24 State
Gas Appliance Exchange, 71 University pl
Hop Dealers' Exchange, 45 Pearl
Leaf Tobacco Board of Trade, 178 Pearl
Maritime Exchange, 12 Beaver
Mechanics' & Traders' Exchange, 14 Vesey
Merchants' Assn, 6 Harrison
Milk Exchange (Ltd.) 6 Harrison
Music Trade & Teachers' Exchange, 3 E. 14th
N. Y. Cotton Exchange, 4 William
N. Y. Hay Exchange, 601 W. 33d
N. Y. Ice Exchange, 269 Eighth av
N. Y. Italian Chamber of Commerce, 4 Pearl
N. Y. Mercantile Exchange, 6 Harrison
N. Y. Metal Exchange, 234 Pearl
N. Y. Musical Exchange, 32 E. 4th
N. Y. Produce Exchange, Broadway e. Beaver
N. Y. Stock Exchange, 13 Wall and 10 Broad
Open Board of Brokers, 48 Broad and 46 New
Public Grain & Stock Exchange (Ltd.) 18 Broadway
Real Estate Exchange & Auction Rooms (Ltd.) 59 Liberty
Retail Coal Exchange, 265 Eighth av

EXHAUST FANS AND BLOWERS.

Blackall, F. S. 126 Liberty

F. S. BLACKALL,
Sole Agent for
NEW YORK AND VICINITY OF THE
Crocker-Wheeler Electric Co.,
No. 126 LIBERTY STREET.
See Advertisement, opposite page 327.

Howard & Morse, 45 Fulton (see Add p. 5)
Sturtevant, B. F. Co. 91 Liberty
Wing, L. J. Co. 126 Liberty (see add opposite second ward)

EXPANDED METAL.

Central Expanded Metal Co. J. K. Combs, Manager, 67 Reade (see add p. 114

EXPANSION TANKS.

Trageser, John, Steam Copper Works, 447-457 W. 26th (see add p. 111)

Extinguishers, Fire, Automatic.—Fan Ventilators, Manufacturers.—Fans, Blowers, and Exhaust Ventilator Manufacturers.—Fans, Disc, Manufacturers.—Fans, Electric, Dealers.

EXTINGUISHERS, FIRE.

Automatic Fire Alarm & Extinguisher Co. The, (Ltd.) 413 Broadway (see add p. 71)
Barnes Automatic Sprinkler Co. 29 Broadway
Cons. Chemical Engine Co. 50 Broadway
Crikelaier, C. I. 120 Broad
Edison Fire Extinguisher Co. 51 John
Empire Safety Mfr. Co. 63 Broadway
Fire Extinguisher Mfr. Co. 351 Canal
Harkness Fire Extingnisher Co. 77 W. Houston
Hayward, S. F. & Co. 351 Canal
Hodgman, C. C. 12 Barclay
Insurers' Automatic Fire Extinguisher Co. 45 Pine
MacKnight, Frederick E. 47 Cedar
Miller Fire Extinguisher Co. 5 Dey
Nerasher & Hill Sprinkler Co. 57 William
N. Y. & New Haven Automatic Sprinkler Co. 110 Centre
Ruby, Chas. W. 10 Barclay
Swain, Geo. F. 136 Liberty
U. S. Supply Co. (Ltd.) 51 John
Walworth Mfg. Co. 54 Gold
Woodhouse, Daniel A. 12 Barclay

EXTINGUISHERS, FIRE, AUTOMATIC.

Automalic Fire Alarm & Extinguisher Co. The (Ltd.), 413 Broadway

The Automatic Fire Alarm and Extinguisher Co.,
(LIMITED).
WATKINS' AUTOMATIC FIRE ALARM,
—AND—
GRINNELL AUTOMATIC SPRINKLERS,
413 BROADWAY, NEW YORK.
See Advertisement, page 71.

Metropolitan Automatic Fire Alarm Co. 7 Nassau
National Automatie Fire Alarm Co. 317 Broadway
N. Y. & N. J. Automatic Fire Alarm Assn. 136 Liberty
Simmons, W. A. & Co. 280 Broadway

FAN VENTILATORS, MFRS.

Donegan & Swift, 11 Murray
Howard & Morse, 45 Fulton (see add p. 5)
Hummel, James H. 153 Fulton
Leonard & McCoy, 118 Liberty
McLeod, Ward & Co. 91 Liberty
Protective Ventilator Co. 153 Fulton
Sturtevant, B. F. Co. 91 Liberty
Williams, Francis A. 197 Wooster (see add p. 65)
Wing, L. J. Co. 126 Liberty (see add opposite second ward)

FANS, BLOWERS, AND EXHAUST VENTILATOR MFRS.

Aller, G. 109 Liberty
Beggs, Jas. A. & Co. 9 Dey
Donegan & Swift, 11 Murray
Gleason & Bailey Mfg. Co. 187-189 Mercer
Howard & Morse, 45 Fulton (see add p. 5)
Huyett & Smith Mfg. Co. 107 Liberty
Pollack, Alexander, 15 Cortlandt
Protective Ventilator Co. 153 Fulton
Sanitary Ventilating & Engineering Co. 1479 Broadway
Sturtevant, B. F. Co. 91 Liberty
Thompson & Bushnell, 120 Liberty
Townsend, S. S. (mfr.'s agt.) 22 Cortlandt
United States Lighting & Ventilating Co. 24 W. 4th
Watertown Steam Blower Co. 54 Pine
Wing, L. J. Co. 126 Liberty (see add opposite second ward)

FANS, DISC, MFRS.

Aller, A. 109 Liberty
Beggs, Jas. A. & Co. 9 Dey
Donegan & Swift, 11 Murray
Howard & Morse, 45 Fulton (see add p. 5)
Sturtevant, B. F. Co. 91 Liberty
Wing, L. J. Co. 126 Liberty (see add opposite second ward)

FANS, ELECTRIC, DEALERS.

Sturtevant, B. F. Co. 96 Liberty
Wing, L. J. Co. 126 Liberty (see add opposite second ward)

FANS, VENTILATING.

Aller, A. 109 Liberty
Beggs, Jas. A. & Co. 9 Dey
Bracher Ventilator Co. 153 Fulton
Brame, Lawrence F. 115 Broadway
Burger, Alois, 32 Clinton
Davis, James R. 13 Park row
DeLong, Julius, 128 Pearl
Demond & Co. 38 Cortlandt
Donegan & Swift, 11 Murray
Frentel's, A. Son, 147 Elm
Graves, Frank, 163 Pearl
Green, Henry H. 63 Park row
Howard & Morse, 45 Fulton (see add p. 5)
Hummel, James H. 153 Fulton
Leonard & McCoy, 118 Liberty
Mayer, Oscar, 27 Fulton
Nason Mfg. Co. 71 Beekman

N. Y. Patent Fan Co. 18 Beaver & 197 Wooster
New York Ventilating Co. 17 Broadway
Protective Ventilator Co. 153 Fulton
Sturtevant, B. F. Co. 91 Liberty
Tuttle & Bailey Mfg. Co. 83 Beekman
Williams, Francis A. 197 Wooster (see add p. 65)
Williams, George A. & Sons, 85 Fulton
Wing, L. J. Co. 126 Liberty (see add p. opposite second ward)

FAUCET MFRS.

Bishop & Babcock, 152 Centre
Budde & Westermann, 50 Vesey
Cleveland Faucet Co. 43-45 Centre
Dame & Townsend Co. 76 John
DuBois, F. N. (brass), 245 Ninth av
McNab & Harlin Mfg. Co. 56 John
McShane, Henry, Mfg. Co. 625-627 Sixth av (see add p. 108)
Peck Bros. & Co. 47 Cliff
Williams, H. A. Mfg. Co. 55 Fulton

FEED WATER HEATER MFRS.

Aspinwall, F. B. 112 Liberty
Baker Heater Co. 556 W. 34th
Burpee, Geo. H. 53 Broadway
Fraser & Chalmers, 2 Wall
Goubert Mfg. Co. 32 Cortlandt
Harrison Safety Boiler Works, 41 Dey
Hussey Re-Heater & Steam Plant Improvement Co. 15 Cortlandt
Kelly, Benj. F. & Son, 91 Liberty

BENJAMIN F. KELLEY & SON,

BERRYMAN'S

PATENT FEED WATER HEATER & PURIFIER,

No. 91 LIBERTY STREET.

See Advertisement, page 61.

Mahoney, James & Son, 245 Broadway
Morse, J. O. 76 John
National Pipe Bending Co. 15 Cortlandt
Phœnix Iron Works Co. 16 Dey
Pollock, Alexander, 15 Cortlandt
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add pp. 62, 63)
Smith Feed Water Heater & Purifier Co. 41 Park row
South Brooklyn Steam Engine Works, 69 Wall
Stewart Water Heater Co. 112 Liberty
Vincent, Chas. R. & Co. 15 Cortlandt
Wainwright Mfg. Co. of Mass. 121 Liberty
Warren, Webster & Co. 74 Cortlandt
Watertown Steam Blower Co. 54 Pine

FELTS.

Acme Covering Works, 82 John
Alexander & Co. 13 University pl
Asbestos Faced Hair Felt Co. 128 Pearl
Asbestos Felting Works, 99 Maiden Lane
Baeder, Adamson & Co. 67 Beekman
Butler Hardware Co. 18 Warren
Chalmers-Spence Co. 59 Liberty
Crocker, A. B. & Co. 64 Worth
Delong & French, 128 Pearl
Dolge, Alfred, 122 E. 13th
Drind Felt Co. 82 John
Gehlert, Louis, 204 E.18th
Gilmour, Robt. M. 82 John
Green, Daniel & Co. 122 E. 13th
Hayes, Edwin A. 69 Vestry
Higgins, Frank T. 89 West
Hintse, Julius E. 99 Maiden Lane
McNab, Geo. R. 29 Hubert
Mahoney, John J. 257 Hudson
Meyer, Adolph A. 96 John
Mineralized Rubber Co. 18 Cliff
Mooney's, Geo. Son, 388 Second av
New, T. Mfg. Co. 874 Broadway
Radcliff, Squires, 206 & 220 West
Shields & Brown Co. 143 Worth
Strock, S. & Co. 62 Walker
Tait, John G. 100 Maiden Lane
Taylor, W. S. & Bloodgood, jr. 8 Thomas
Tingue, House & Co. 56 Reade
Wild, Joseph & Co. 82 Worth

FENCE, IRON.

Aetna Iron Works, 298-300 E. 64th (see add p. 51)
Althause, S. B. & Co. 101-103 Thompson (see add p. 27)
Central Iron Works, 203 E. 30th (see add p. 44)
Estey, W. S. 65 Fulton (see add p. 24)
Lyon, W. E. 202 E. 46th (see add p. 46)
Muhl, J. & Son, 329 E. 33d (see add p. 50)
Springfield Foundry Co., Springfield, Mass. (see add p. 16)

FENCE, STEEL, MFRS.

Central Expanded Metal Co., J. K. Combs, manager, 67 Reade (see add p. 114)

FENCE, WIRE.

Central Expanded Metal Co., J. K. Combs, manager, 67 Reade (see add p. 114)

Fenders, Grates and Mantel Manufacturers.—Fenders and Grates, Brass and Iron.—Figures, Ornamental, Brass and Bronze.—Figures, Ornamental, Galvanized and Metal.

Clinton Wire Cloth Co., George E. Howard, agent, 76 Beekman
DeWitt Wire Cloth Co. 32 Reade (see add p. 26)
Estey, W. S. 65 Fulton (see add p. 24)
Howard & Morse, 45 Fulton (see add p. 5)
Washburn & Moen Mfg. Co. 16 Cliff

FENCES.

Ætna Iron Works, 298-300 E. 64th (see add p. 51)
Althause, S. B. & Co. 101-103 Thompson (see add p. 27)
Westing, Theo. 449 W. 41st

FENDERS, GRATES AND MANTEL MFRS.

Boote, Alfred, 1567 Broadway
Bradley & Courier Co. Ltd. 308 Hudson
Brooklyn Slate Mantel Co. 803 Monroe, Brooklyn, and Park av, N. Y (see add p. 93)
Conover, J. S. & Co. 28-30 W. 23d (see add p. 85)
Davis, Reed & Alexander, 18 E. 15th
Estey, W. S. 65 Fulton (see add p. 24)
Grant, W. D. 1456 Broadway
Hecla Arch. Iron Works, Pulitzer bldg. show rooms, 48-51 (see add p. 28)
Howden & Fish, Chelsea Hotel bldg. 218 W. 23d (see add p. 77)
Jackson, Ed. A. & Bro, 59 Beekman
Jackson, W. H. & Co. 27-29 E. 17th (see add p. 84)
Jackson, W. Sons, 246 Front
Jenkins & Co. 247 Canal
Killian Bros. 159 W. 32d
Kirtland, Andrews & Co. Ltd. 48 Union sq (see add p. 83)
Mott, J. L. Iron Works, 88 Beekman
Nichols, A. S. 111 E. 128th & 108 E. 129th
Parry, Henry, 35 E. 19th
Penrhyn Slate Co. 101 E. 17th (see add p. 80)
Pries, W. H. 434 Canal
Rumler, Herman B. 369 W. 11th
Schwartz, L. & Co. 21 E. 15th
Serven, Isaac, 615 Seventh av
Sheridan, J. W. & Co. 317 E. 93d
Standard Mantel & Slate Works, 315 W. 125th
Traitel Bros 499 Fifth av (see add p. 82)
Walsh, John, 387 Third av
Wilson, Jas. H. 74 W. 23d (see add p. 82)

FENDERS AND GRATES, BRASS AND IRON.

Bradley & Courier Co. Ltd. 308 Hudson
Conover, J. S. & Co. 28-30 W. 23d (see add p. 85)
Jackson, Wm. H. & Co. 27 E. 17th (see add p. 84)
Kirtland, Andrews & Co. (Ltd.) 48 Union sq (see add p. 83)
The Prince & Kinkel Iron Works, 729-731 First av (see add p. 51)
Traitel Bros. 499 Fifth av (see add p. 82)

FIGURES, ORNAMENTAL, BRASS AND BRONZE.

The Prince & Kinkel Iron Works, 729-731 First av (see add p. 51)
Westervelt, A. B. & W. T. 102 Chambers (see add p. 203)
Williams, John, 544-556 W. 27th (see add p. 36)

FIGURES, ORNAMENTAL, GALVANIZED AND METAL.

Andrews Mfg. Co. 76 Fifth av
Briggs, A. A. 124 E. 129th
Empire Metal Working Co. 76 Fifth av
Farrell, M. J. & Co. 104 E. 13th
Hecht, M. & Brother, 529 Broadway, 232 Canal and 217 Centre
Hirt & Hagdom, 279 Av. B
Hosensack, Ernest, 34 S. Fifth av
Kayser, Louis M. 90 Walker
Lane Mfg. Co. 350 Canal
Ludwig, Adolph, 33 John
McCallum, John & Co. 426 Washington
Manhattan Brass Co. 338 E. 28th
Messer, Louis & Co. 174 Worth
Mullins, W. H. 108 Chambers, Julius T. Wagner, agt
New York Metal Ceiling Co. 36-38 Eleventh av
Northrop, Henry S. 30 Rose (see add opp. 4th Ward)
Osborn, George R. 335 Broadway
Plant Brothers, 465 Greenwich
Saldini, Peter, 225 Thompson
Schmidt, Julius C. 527 Pearl
Schmidt, Philip, 511 Pearl
Vanderbilt, Isaac T. 96 Spring
Vogeler, Waldemar, 306 E. 95th
Wanzer & Rothenstein, 338 Broadway

FIGURES, ORNAMENTAL, IRON.

Bent, Samuel S. & Son, 111 Chambers
Fiske, J. W. 39 Park pl
Hecla Architectural Bronze & Iron Works, Pulitzer bldg. show rooms 48-51 (see add p. 28)
Jackson Architectural Iron Works, 215 E. 28th (see add p, 31)
Mott, J. L. Iron Works, 88 Beekman

The Prince & Kinkel Iron Works, 729-731 First av (see add p. 51)
Westervelt, A. B. & W. T. 102 Chambers (see add p. 203)

FILE MAKERS.

Arcade File Works, 83 Reade
Curran, John, 109 John
Frasse & Co. 90-94 Park row
Frasse, Peter A. & Co. 95 Fulton
Kearney & Foot Co. 102 Reade
Lukanitsch, Michael, jr. 351 Broome
Rieder, G. & J. Haug, 182 Second

FILTERS, WATER.

Allen, B. F. 25 Murray
Backus, Peter & Son, 133-135 W. 25th (see add p. 64)
Billich, Frederick, 316 E. 22d
Buhring Water Purifying Co. 1389 B'way
Darragh Water Filter Co. 1539 Broadway and 553 W. 33d
Domestic Water Still Co. 15 Park row
Gates City Stone Filter Co. 35 Murray
Germ Proof Filter Co. 16 Cedar
German-American Filter Co. 69 Broad
Hegeman & Oliphant Filter Co. 171 B'way
Henning, George, 1389 Broadway
Improved Natural Stone Filter Co. 55 Murray
Johnson, John & Co. 1 Franklin sq
Moonson-Allen Co. 145 Broadway
National Water Purifying Co. 145 B'way
New York Filter Co. 145 Broadway
Pasteur-Chamberland Filter Co. 1255 B'way
Puffer, William E. 73 Gold
Seed, Jos. H. 23 Centre
U. S. Sanitary Filter Co. 182 South
U. S. Water Purifying Co. 10 Barclay
Wilmot & Co. 182 South

FINIALS.

Briggs, A. A. 122 E. 129th
Fiske, J. W. 39 Park pl
Hamsley Metal Roofing Co. 18 Cliff
Mullins, W. H., Julius T. Wagner, agt, 108 Chambers
Westervelt, A. B. & W. T. 102 Chambers (see add p. 203)

FINISHING MACHINERY FOR ANY FABRIC.

Howard Foundry & Machine Works, 114 Liberty (see add p. 19)

FIRE AND BURGLAR ALARMS.

Automatic Fire Alarm & Extinguisher Co. Ltd. 413 Broadway (see add p. 71)
Automatic Fire Alarm for Isolated Plants, 233-235 B'way, Morse, J. S. supt
Auxiliary Fire Alarm Co. 280 Broadway
Bateman & Pollard, 143½ E. 23d
Bogart, A. L. 22 Union sq
Electric Fire Protective Co. 280 B'way
Electric Signal Mfg. Co. 45 Broadway
Gamewell Fire Alarm Telegraph Co. 1½ Barclay
Haggerty, Geo. A. 803 Third av (see add p. 53)
Holmes Burglar Alarm Telegraph Co. 518 Broadway
Holmes Electric Protective Co. 518 B'way, 194 B'way and 34 E. 14th
Lewis, Benjamin, 207 Broadway
McMahon Thermograph Co. 48 Maiden la. and 35 Liberty
Metropolitan Automatic Fire Alarm Co. 7 Nassau
Metropolitan Electric Signal Co. 45 B'way
Murphy & Fink, 2056 Seventh av
Mutual Electric Protective Ass'n, 458 B'way
National Automatic Fire Alarm Co. 317 Broadway
N. Y. Thermostatic Fire Alarm Co. 338 Broadway
N. Y. and N. J. Automatic Fire Alarm Ass'n, 32 Liberty
Ostrander, W. R. & Co. 195 Fulton
Paley, Wm. 2015 Seventh av
Snyder, Jas. P. 96 Fulton
The Automatic Fire & Burglar Alarm Co. 207 Broadway
Union Fire Alarm Co. 157 Leonard
U. S. Auxiliary Fire Alarm Co. 280 B'way
Vassar Burglar Alarm Mfg. Co. 56 Warren
Wilder Duplex Electric Burglar Alarm & Messenger Co. 165 Broadway

FIRE ALARM AND POLICE TELEGRAPHS.

The Automatic Fire Alarm & Extinguisher Co. 413 Broadway (see add p. 71)
The Gamewell Fire Alarm Telegraph Co. 1½ Barclay

FIRE ALARM AND EXTINGUISHER MFRS.

Automatic Fire Alarm & Extinguisher Co. 413 Broadway

The Automatic Fire Alarm and Extinguisher Co.,
(LIMITED).
WATKINS' AUTOMATIC FIRE ALARM,
—AND—
GRINNELL AUTOMATIC SPRINKLERS,
413 BROADWAY, NEW YORK.
See Advertisement, page 71.

FIRE ALARM EXTINGUISHER MFRS. (AUTOMATIC).

Automatic Fire Alarm & Extinguisher Co. Ltd. 413 Broadway (see add p. 71)

FIRE BRICK, AMERICAN.

Colman, Chas. H. & Co 145 Broadway

CHARLES H. COLMAN & CO.,
No. 145 BROADWAY,
NEW YORK.

FIRE PROOFING, FIRE BRICK,

AND VITRIFIED PAVING BRICK.

See Advertisement, page 136.

Fleming Cement and Brick Co., 23 Liberty
Kreischer, B. & Sons, 132 Mangin
Maurer, Henry & Son, 420 E. 23d (see add p. opposite back inside cover)
Meeker & Carter, 14 E. 23d
Person, Orrin D. Mohawk bldg. c 21st and Fifth av (see add p. 139)
Raritan Hollow and Porous Brick Co. MacIntyre bldg. 874 Broadway
Schermerhorn, J. Maus, Times bldg. 41 Park row
Thomas, E. H. 173 Broadway
Weber, Adam, 633 E. 15th

FIRE BRICK, ENAMELED.

Fleming Cement and Brick Co. 23 Liberty
Meeker & Carter, 14 E 23d
Raritan Hollow and Porous Brick Co. MacIntyre bldg. 874 Broadway
Schermerhorn, J. Maus, Times bldg, 41 Park row

FIRE BRICK, ENGLISH.

Fleming, Howard, 23 Liberty
Hammill & Gillispie, 240 Front
Person, Orrin D. Mohawk bldg. 160 Fifth av c 21st (see add p. 139)

FIRE BRICK, ENGLISH (CHOICE BRANDS).

Fleming Cement and Brick Co. 23 Liberty
Hammill & Gillispie, 240 Front
Person, Orrin D. Mokawk bldg. 21st and Fifth av (see add p. 139)

FIRE BRICK MFRS.

Colman, C. H. & Co. 145 Broadway (see add pp 136, 137)
DeRache, Leonard, 250 W. 70th (see add p. 133)
Goebel, Geo. A. 238 Second av
Gustavino Fire Proof Construction Co. Foot of W. 57th
Hammill & Gillispie, 240 Front
Isaacs, Gustavus, 24 Bethune
Kreischer, B. & Sons, 132 Mangin
Lorillard Brick Works, 92-94 Liberty
Lyons, Frank, jr. 280 Broadway
Maurer, Henry & Son, 420 E. 23d

HENRY MAURER & SON,
MANUFACTURERS OF
Fire Proof Building Materials.
Fire Brick of all Kinds.
Office and Depot, 420 East 23d Street, N.Y.
Works. Maurer's. N. J.
See Advertisement, opposite back inside cover.

Menlo Park Ceramic Works, Jer. T. Smith, proprietor, Metropolitan Life Insurance bldg. cor. Madison av & 23d (see add p. 131)
Ohio Sewer Pipe Co., branch office 145 Broadway, Chas. H. Colman & Co. (see add p. 137)
Penn. Mfg. Mining and Supply Co. 82 John
Person, Orrin D. Mohawk bldg. 21st and Fifth av (see add p. 139)
Perth Amboy Terra-Cotta Co. 160 Broadway
Porter, John, Co. The, Pope, C. E. & Co., agents, 45 Broadway
Rader, G. W. & Co. 611 W. 51st and 606 W. 52d
Raritan Hollow and Porous Brick Co. MacIntyre bldg. 874 Broadway
Salamander Works, 61 Bethune
Sayer & Fisher, Bennett bldg. 99 Nassau (see add p. 139)
Spa Spring Brick Co. 7 Coenties slip
Staten Island Terra-Cotta Lumber Co. Equitable bldg. 120 Broadway (see add p. 130)
Stove Mfrs. Repair Association, 233-235 Water
The Van Fire Proofing Co., Albert Von Den Driesch, 92-94 Liberty (see add opposite back inside cover)
Thomas, E. H 173 Broadway
United States Fire Clay Co. branch office 145 Broadway, Chas. H. Colman & Co (see ad p. 137)
Union Terra Cotta Lumber Co. 287 Broadway
Union Mining Co. 115 Broadway
Weber, Adam, 633, E. 15th
Welch, Glounger & Co. 176 Broadway
Wight Fire Proofing Co. 604 W. 51st

FIRE BRICK, SCOTCH.

Fleming Cement & Brick Co. 23 Liberty
Hammill & Gillispie, 240 Front

Fire Brick, Silicia Lee Moore.—Fire Brick, Welch, Domestic Size.—Fire Brick, Welch, English Size.—Fire Brick, White Enameled, Domestic Size.—Fire Brick, White Enameled, English Size.—Fire Clay and Terra Cotta Blocks.—Fire Clay and Terra Cotta Ceiling Blocks.

FIRE BRICK, SILICIA DURA'S.

Fleming Cement & Brick Co. 23 Liberty
Hammill & Gillispie, 240 Front

FIRE BRICK, SILICIA LEE MOORE.

Hammill & Gillispie, 240 Front

FIRE BRICK, WELCH, DOMESTIC SIZE.

Fleming Cement and Brick Co. 23 Liberty
Hammill & Gillispie, 240 Front

FIRE BRICK, WELCH, ENGLISH SIZE.

Fleming Cement and Brick Co. 23 Liberty
Hammill & Gillispie, 240 Front

FIRE BRICK, WHITE ENAMELED, DOMESTIC SIZE.

Fleming Cement and Brick Co. 23 Liberty
Meeker & Carter, 14 E. 23d
Person, Orrin D. Mohawk bldg. 21st and Fifth av (see add p. 139)
Raritan Hollow and Porous Brick Co. MacIntyre bldg. 874 Broadway
Sayer & Fisher Co. Bennett bldg. cor. Fulton and Nassau (see add p. 139)
Schermerhorn, J. Maus, Times bldg. 41 Park row

FIRE BRICK, WHITE ENAMELED, ENGLISH SIZE.

Fleming Cement and Brick Co. 23 Liberty
Meeker & Carter, 14 E. 23d
Person, Orrin D. Mohawk bldg. 160 Fifth av c 21st (see add p. 139)
Raritan Hollow and Porous Brick Co. MacIntyre bldg. 874 Broadway
Schermerhorn, J. Maus, Times bldg. 41 Park row

FIRE CLAY AND TERRA-COTTA BLOCKS.

Boston Terra Cotta Co. Times bldg. 41 Park row
Colman, Chas. H. & Co. 145 Broadway (see add pp. 136, 137)
Gustavino Fire Proof Construction Co. ft. of W. 57th
Isaacs, Gustavus, 24 Bethune
Kreischer, B. & Sons, 132 Mangin
Mathiasen & Hansen, Perth Amboy, New Jersey (see add p. 133)
Maurer, Henry & Son, 420 E. 23d (see add opp. back inside cover)
Meeker & Carter, 14 E. 23d
New York Architectural Terra Cotta Co. Potter bldg. 38 Park row
Perth Amboy Terra Cotta Co. 160 Broadway
Porter, John Co. 45 Broadway
Raritan Hollow and Porous Brick Co. MacIntyre bldg. 874 Broadway
Robbins, Geo. B. & Co. 136th and Third av (see add p. 122)
Staten Island Terra Cotta Lumber Co. Equitable bldg. 120 Broadway (see add p. 130)
The Architectural Terra Cotta Works, Perth Amboy, New Jersey, Times bldg. 41 Park row, room 108
The Manhattan Fire Proofing Co. MacIntyre bldg. 874 Broadway (see add p. 132)
The Tile Fire Proof Construction Co. Central bldg. 142 Liberty
The Van Fire Proofing Co. Albert Von Den Driesch, 92-94 Liberty (see add opposite back inside cover)
Thomas, E. H. 173 Broadway
Union Terra Cotta Lumber Co. 287 Broadway

FIRE CLAY AND TERRA-COTTA CEILING BLOCKS.

Gustavino Fire Proof Construction Co. ft. of W. 57th
Isaacs, Gustavus, 24 Bethune
Maurer, Henry & Son, 420 E. 23d (see add opp. back inside cover)
Meeker & Carter, 14 E. 23d
Perth Amboy Terra Cotta Co. 160 Broadway
Raritan Hollow and Porous Brick Co. MacIntyre bldg. 874 Broadway
Staten Island Terra Cotta Lumber Co. Equitable bldg. 120 Broadway (see add p. 130)
The Manhattan Fire Proofing Co. MacIntyre bldg. 874 Broadway (see add p. 132)
The Tile Fire Proof Construction Co. Central bldg. 143 Liberty
The Van Fire Proofing Co. Albert Von Den Driesch, 92-94 Liberty (see add opposite back inside cover)
Thomas, E. H. 173 Broadway

FIRE CLAY AND PLASTER SLAB BLOCKS.

De Raehe, Leonard, 250 W. 70th
Eastern Plaster Board Co. 52 Broad
Robbins, Geo. B. & Co. 136th and Third av (see add p. 122)
The Grooved Plaster Slab Mfg. Co. 2 W. 14th
The Manhattan Fire Proofing Co. MacIntyre bldg. 874 Broadway (see add p. 132)
The Schillinger Fire Proof Cement & Asphalt Co. 401-413 E. 91st

FIRE CLAY FLUE LININGS

Colman, Chas. H. & Co. 145 Broadway (see add pp. 136, 137)
Kreischer, B. & Co. 132 Mangin
Maurer, Henry & Son, 420 E. 23d (see add p. opp. back inside cover)
Mecker & Carter, 14 E. 23d
Person, Orrin D. Mohawk bldg. 160 Fifth av c 21st
Robbins, Geo. B. & Co. 136th and Third av (see add p. 122)
U. S. Fire Clay Co. Branch Office, 145 Broadway Chas. H. Colman & Co. (see add p. 136)

FIRE ESCAPES.

Ætna Iron Works, 298-300 E. 64th (see add p. 51)
Aronowitz, Louis, 237 Broome
Atlantic Iron Works, 706 E. 12th
Bowes, John J. 227-229 W. 29th (see add p. 43)
Brady & Hauptmann, 709 First av
Central Iron Works, 203 E. 30th (see add p. 44)
Cheney & Preyer, 21 Park row
Cook, Francis, 407 W. 36th
Cornell, J. B & J. M. 141 Centre, 26th, Tenth and Eleventh avs (see add pp. 35, 37, 39)
Dimond, J. G & T. 209-211 W. 33d
Eagle Iron Works, 125 Horatio and 527 West
Empire Iron Works, G. E. Tilford, prop. 518 W. 22d
Grimm, Richard, 432 E. 18th (see add p. 48)
Hafers, Chr. 407 W. 37th (see add p. 33)
Happel, Adam, 198 Broome
Howard & Morse, 45 Fulton (see add p. 5)
Jackson Architectural Iron Works, 315 E. 28th (see add p. 34)
Lee Hotel Fire Escape Co. The, Domestic bldg. Broadway and 14th
Lindsay, W. A. 614-622 E. 14th and 61 Warren
Lyon, W. E. 202 E. 46th (see add p. 46)
Mfrs. Fire Equipment Co. 155 Broadway
Marran, Joseph, 157 E. 44th
Metropolitan Iron Works, 304 E. 95th
Miller's Falls Co. 93 Reade
Mittnacht Eagle Safe Mfg. Co. 24 Spring
Muhl, J. & Son, 329 E. 33d (see add p. 50)
Murray, Peter, 139 W. 19th
Nichols, Samuel & Son, 66 W. 3d
Norwood, J. & Sons, 89 Centre
Nuhn & Strohaecker 227 Sixth
Oltarsch, W. 8 Eldridge
Ries & Janssen, 22 Rivington
Rooney, John S. 257 Centre
Rosensweig, Jos. 64 Clinton
Schmatz & Massath, 49 Sheriff
Schramm, M. W. 1319 Third av
Schubert, Brunno, 313 W. 44th
Taylor, J. 202 Greene
The Prince and Kinkel Iron Works, 729-731 First av (see add p. 51)
Toner, B. 166 W. 18th
Toner, Edward A. 166 W. 18th
Travers, J. P. & Son, 46 Beekman
United States Supply Co. Ltd. 51 John
Vaughn, E. S. & Sons, 103 Maiden lane
West Side Architectural Iron Works, 553-563 W. 33d (see add p. 29)
Westing, Th. Iron Works, 449-455 W. 41st
Yale Safe and Iron Co. 331 Madison av
Zemskind, L. 111 Elizabeth

FIRE ESCAPES, CIRCULAR STAIRS.

Ætna Iron Works, 298-300 E. 64th (see add p. 51)
Central Iron Works, 202 E. 30th (see add p. 44)
Empire Iron Works, 518-520 W. 22d
Lyon, W. E. 202 E. 46th (see add p. 46)
Muhl, J. & Son, 329 E. 33d (see add p. 50)
The Prince & Kinkel Iron Works, 729-731 First av (see add p. 51)
Westing, Theo. 449-455 W. 41st

FIRE EXTINGUISHERS.

Automatic Fire Alarm & Extinguisher Co. Ltd. 413 Broadway (see add p. 71)
Babcock Fire Extinguisher, 351 Canal
Fire Extinguisher Mfg. Co. 15 Cortlandt
Harkness Fire Extinguisher Co. 77 W. Houston
Hayward Hand Grenade Co. 351 Canal
Hayward, S. F. & Co. 351 Canal
Insurers' Automatic Fire Extinguisher Co. 45 Pine
Miller Fire Extinguisher Co. 5 Dey
N. Y. & New Haven Automatic Sprinkler Co. 110 Centre
Pell-Hazard Fire Extinguisher Co. 49 Liberty
U. S. Supply Co. Ltd. 51 John
Walworth Mfg. Co. 54 Gold
Woodhouse, Daniel A. 12 Barclay

FIRE HOSE MFRS.

Boston Belting Co. 100 Chambers
Callahan, C. Co. 401 Broadway
Christie & Lecount Mfg. Co. 351 Canal
Eureka Fire Hose Co. 13 Barclay
Fabric Fire Hose Co. 13 Park row
Greene, Tweed & Co. 83 Chambers (see add p. 53)
Guibert, J. C. N. 115 Broadway
Leonard & McCoy, 118 Liberty
Mineralized Rubber Co. 18 Cliff
New York Belting & Packing Co. 15 Park row
Reddaway, F. & Co. 52 New
Revere Rubber Co. 64 Reade
The Gutta Percha & Rubber Mfg. Co. 35 Warren
U. S. Supply Co. Ltd. 51 John

FIRE HYDRANT MFRS.

Baldwin, F. A. 28 Marion, 209 Elm
Barr, Edward, Co. Ltd. 62 John
Carr, A. & W. S. 72 John
Colwell Lead Co. 63 Centre
Douglas, W. & B. 266 John
Fox, John, 160 Broadway
Gleason & Bailey Mfg. Co. Ltd. 187-189 Mercer
Goulds Mfg. Co. 60 Barclay

Haydenville Mfg. Co. 73 Beekman
Holly Mfg. Co. The, 45 Broadway
Jonson Foundry & Machine Co. 52 Cliff
Kennedy, D. 18th & Harlem river
McLean, John, 298-300 Monroe
Mellert Foundry & Machine Co. Ltd. 160 B'way
Pancoast & Rogers, 28 Platt
Rumsey & Co. Ltd. 107 Liberty
Stone, Fred. & Co. 62 Gold

FIRE PLACES AND TILES.

Boote, Alfred, 1567 Broadway
Bradley & Currier Co. Ltd. 308 Hudson
Brooklyn Slate Mantel Co. 803 Monroe, Brooklyn, New York salesroom, 1114 Park av (see add p. 81)
Conover, J. S. & Co. 28-30 W. 23d (see add p. 85)
Dale Tile Mfg. Co. Ltd. 398 Broome (see add p. 49)
Davis, Reed & Alexander, 18 E. 15th, 1 W. 34th
Edgewood Co. 1 W. 34th
Hecla Architectural Iron Works, Poulson & Eger, Pulitzer bldg, show rooms 48-51 (see add p. 28)
Howden & Fish, Chelsea Hotel bldg, 216-218 W. 23d (see add p. 77)
Jackson, Edwin A. & Bro. 50 Beekman
Jackson, W. H. & Co. 31 E. 17th (see add p. 84)
Jackson's, W. Sons. 246 Front
Kirtland, Andrews & Co. 46-48 Union sq (see add p, 83)
Klaber, S. & Co. 47 W. 42d
Mott J. L. 88 Beekman
Nichols, A. S. 111 E. 128th, 108 E. 129th
Penrhyn Slate Co. 101 E. 17th (see add p 80)
Person, Orrin D. Mohawk bldg, 21st & Fifth av (see add p. 139)
Standard Mantel & Slate Works, 313-315 W. 125th
The American Encaustic Tile Co. Ltd. 140 W. 23d (see add p. 76)
The Penrhyn Slate Co. 101 E. 17th (see add p. 80)
Traitel Brothers, 499 Fifth av (see add p. 82)

FIRE PLACE FURNISHINGS.

Boote, Alfred, Broadway & 47th
Bradley & Hubbard Mfg. Co. 21 Barclay, 26 Park pl
Clausen & Hoffmeyer, 533 E. 15th
Collins & Nuttall, 418 W. 27th
Conover, J. S. & Co. 28-30 W. 23d (see add p. 85)
Graf, Frank H. 322 Seventh av
Jackson, Wm. H. & Co. 29 E. 17th (see add p. 84)
Jackson, Edwin A. & Bro. 50 Beekman
Jackson's, W. Sons, 246 Front
Janusch, F. G. 228 E. 44th
Kirtland & Andrews, 46-48 Union sq. (see add p. 83)
Manhattan Brass Co. 333 E. 28th
Mersereau, W. T. & Co. 39 Union sq
New York Brass Co. 37 W. 14th
New York Brass Furniture Co. 39 Union sq
Pries, W. H. 434 Canal, 6 Vestry

FIRE PROOF BUILDING MATERIAL.

Bailey, Thomas, 10th av & 151st (see add p. 9)
Boston Terra Cotta Co. Times bldg, 41 Park row
Bostwick Metal Lath Co. Potter bldg, 38 Park row (see add p. 113)
Central Exp. Metal Co. J. K. Combs, Mgr. 67 Reade

FIRE PROOF STEEL PLASTERING LATH,
Made from Expanded Metal.
Best Metallic Lath made. It is easily applied without Stretching or Furring, Making Perfect "Key" and Solid Work. Expanded Metal in other Forms is Used for Fences, Gates, Window Guards, &c. Write for Illustrated Catalogue No. 20.
Central Expanded Metal Co., 116 Water St., Pittsburgh, Pa.
J. K. Combs, 67 Reade St., N. Y. City.
See Advertisement, page 114.

Chin, Aug. T. 38 Park row
Colman, Chas. H. & Co. 145 Broadway (see add pp. 136, 137)
De Rache, Leonard, 250 W. 70th (see add p. 133)
Eastern Plaster Board Co. 52 Broad
Fleming Cement & Brick Co. 23 Liberty
Gustavino Fire Proof Construction Co. ft. W. 57th
Isaacs, Gustavus, 24 Bethune
Kreischer, B. & Sons, 132 Mangin
Mathiasen & Hansen, Perth Amboy, N. J. (see add p. 133)
Maurer, Henry & Son, 420 E. 23d (see add p. opposite back inside cover)
Meeker & Carter, 14 E. 23d
Menlo Park Ceramic Works, Jer. T. Smith, prop. Metropolitan Life Insurance bldg, Madison av and 23d (see add p. 131)
New York Architectural Terra Cotta Co. 38 Park row, Potter bldg
Person, Orrin D. Mohawk bldg, 160 Fifth av c. 21st (see add p. 139)
Perth Amboy Terra Cotta Co. 160 Broadway
Rader, G. W. & Co. 611 W 51st
Raritan Hollow & Porous Brick Co. MacIntyre bldg, 874 Broadway

Edw. Keasbey, Prest. H. M. Keasbey, Sec'y & Treas.
J. C. Rossi, Supt.
RARITAN HOLLOW & POROUS BRICK CO.,
Manufacturers of
Fire-Proof Building Materials,
Office, No. 874 BROADWAY, N. Y.
Telephone, 685 18th St.
Buff and Mottled Front Brick. Factory on Raritan River, 2 Miles Above Perth Amboy, N. J.

Robbins, Geo. B. & Co. 136th & Third av (see add p. 122
Schillinger Fire Proof Cement & Asphalt Co. 413 E. 91st
Staten Island Terra Cotta Lumber Co. Equitable bldg, 120 Broadway (see add p. 130)
The Architectural Terra Cotta Works of Perth Amboy, New York Office, Times bldg, 41 Park row, room 108
The Grooved Plaster Slab Mfg. Co. 2 W. 14th

Edward Weber, Pres't. Theodore G. Stein, Sec. & Treas.

The Grooved Plaster Slab M'f'g Company,
(INCORPORATED).
PATENTS OF THOMAS CURRAN.
Office, 2 West 14th Street,
Rooms 2 and 3. NEW YORK.
FACTORY, LONG ISLAND CITY.

The Manhattan Fire Proofing Co. MacIntyre bldg, 874 Broadway (see add p. 132)
The N. Y. Iron Roof & Corrugating Co. 29 Broadway (see add p. 51)
Tile Fire Proof Constrnction Co. Central bldg, 143 Liberty
Union Terra Cotta Lumber Co. 287 Broadway
U. S. Fire Clay Co. 145 Broadway, Charles H. Colman & Co.
Van Fire Proofing Co. Albert Von den Driesch, 92-94 Liberty (see add opposite back inside cover)
Wyandance Brick and Terra Cotta Co. 19 Park pl

FIRE PROOF CONSTRUCTION.

Althause, S. B. & Co. 101-103 Thompson (see add p. 27)
De Rache, Leonard, 250 W. 70th (see add p. 133)
Gustavino Fire Proof Construction Co. ft. W. 57th, N. R.
Lyon, W. E. 202 E. 46th (see add p. 46)
Raritan Hollow & Porous Brick Co. MacIntyre bldg, 874 Broadway
Robbins, Geo. B. 136th & Third av (see add p. 122)
The Manhattan Fire Proofing Co. MacIntyre bldg, 874 Broadway

THE MANHATTAN FIRE PROOFING CO.,
Dr. WILLARD PARKER, President. EDMUND KETCHUM, Sec'y & Treas.
FURNISH FIRE PROOF FILLING,
Stronger and Lighter than other Similar Material.
No. 874 BROADWAY, NEW YORK.
See Advertisement, page 132.

FIRE PROOF DOORS.

Cornell, J. B. & J. M. 141 Centre, W. 26th Tenth & Eleventh avs (see add pp. 35, 37, 39)
Jackson Architectural Iron Works, 315 E. 28th (see add p. 31)
Lyon, W. E. 202 E. 46th (see add p. 46)
Muhl, J. & Son, 329 E. 33d (see add p. 50)

FIRE PROOF ELEVATOR SHAFTS.

Bailey, Thomas, Tenth av & 151st

Bailey's Patent Fire-Proof Building Material.
Especially Adapted for
ELEVATOR SHAFTS &c.,
Manufactured by
THOMAS BAILEY,
TENTH AVE., cor. 151st St., New York.
See Advertisement, page 9.

FIRE PROOF HOLLOW BLOCKS.

Baltimore Pressed Brick, I. C. Hendrickson, 237 Broadway
Boston Terra Cotta Co. Times bldg, 41 Park row
Chin, Aug. T. 38 Park row
Colman, Chas. H. & Co. 145 Broadway (see add pp. 136, 137)
De Rache, Leonard, 250 W. 70th (see add p. 133)
Eastern Plaster Board Co. 50-52 New
Fleming, Howard, 23 Liberty
Gustavino Fire Proof Construction Co. 57th & N. R.
Isaacs, Gustavus, 21 Bethune
Kreischer, B. & Sons, 132 Mangin
Lorillard Brick Works Co. 92-94 Liberty
Manhattan Fire Brick Works, 633 E. 15th
Maurer, Henry & Son, 420 E. 23d (see add p. opposite back inside cover)
Meeker & Carter, 14 E. 23d
Morse, Frank, 7 Coenties sl
N. Y. Anderson Pressed Brick Co. Lincoln bldg, 1-3 Union sq c 14th (see add p. 138)
N. Y. Arch. Terra Cotta Co. 38 Park row, Potter bldg
Perth Amboy Terra Cotta Co. 160 Broadway
Rader, G. W. & Co. 611 W. 51st
Raritan Hollow & Porons Brick Co. MacIntyre bldg. 874 Broadway
Robbins, Geo. B. & Co. 136th & Third av (see add p. 122)
Schillinger Fire Proof Cement & Asphalt Co. 413 E. 91st
The Manhattan Fire Proofing Co. MacIntyre bldg, 874 Broadway (see add p. 132)
Tile Fire Proof Construction Co. Central bldg. 143 Liberty
Union Terra Cotta Lumber Co. 287 Broadway
The Van Fire Proofing Co., Albert Von den Driesch, 92 Liberty

THE VAN FIRE PROOFING COMPANY.
(ALBERT VON DEN DRIESCH,)
HOLLOW, HARD AND POROUS
TERRA COTTA BLOCKS
For all Kinds of Fire Proof Construction.
92 & 94 LIBERTY ST., NEW YORK.
See Advertisement, opp. back inside cover.

Wyandance Terra Cotta Co. 19 Park pl

FIRE PROOF IRON CLAD WINDOWS AND DOORS.

Aetna Iron Works, 298-300 E. 64th (see add p. 51)
Central Iron Works, 203 E. 30th (see add p. 44)
Cornell, J. B. & J. M. 141 Centre & W. 26th, Tenth & Eleventh avs (see add pp. 35, 37, 39)
Dale Tile Mfg. Co. (Ltd.) 398 Broome (see add p. 49)
Jackson Arch. Iron Works, 315 E. 28th (see add p. 31)
Lyon, W. E. 202 E. 46th (see add p. 46)
West Side Arch. Iron Works, 553-563 W. 33d (see add p. 29)

FIRE PROOF METAL LATH.

Aetna Iron Works, 298-300 E. 64th (see add p.51)
Althause, S. B. & Co. 101-103 Thompson (see add p. 27)
Bostwick Metal Lath Co. Potter bldg. 38 Park row (see add p. 113)
Central Expanded Metal Co., J. K. Combs, manager, 67 Reade (see add p. 14)
Cheney & Hewlett, Potter bldg. 38 Park row (see add p. 41)
Cornell, J. B. & J. M. 141 Centre & W. 26th Tenth & Eleventh avs (see add pp. 35, 37, 39)
Hayes, Geo. 71 Eighth av (see add p. 8)

FIRE PROOF PLASTER BLOCKS.

De Rache, Leonard, 250 W. 70th (see add p. 133)
Meeker & Carter, 14 E. 23d
Robbins, Geo. B. 136th & Third av (see add p. 122)
The Grooved Plaster Slab Mfg. Co. 2 W. 14th
The Schillinger Fire Proof Cement & Asph. Co. 413 E. 91st
The Manhattan Fire Proofing Co. MacIntyre bldg. 874 Broadway (see add p. 132)

FIRE PROOF STEEL PLASTERING LATH.

Bostwick Metal Lath Co. 38 Park row

John Dickson, Pres. W. W. Bostwick, Vice-Pres.
E. B. Bostwick, Sec. & Treas.

"THE BOSTWICK"

FIRE PROOF STEEL LATH,

Recommended by Architects. Extensively Used by Builders.

Manufactured by BOSTWICK METAL LATH CO.,
38 Park Row (Potter Building), N. Y. City.

See Advertisement, page 113.

Central Expanded Metal Co. (steel), J. K. Combs, agent, 67 Reade (see add p. 14)
Estey, W. S. 65 Fulton (see add p. 24)
Hayes, Geo. 71 Eighth av (see add p. 8)

FIRE PROOF, STEREO RELIEF CEILINGS.

Stereo Relief Mfg. Co. 229-233 E. 41st

FIRE PROOF STEREO RELIEF WALL DECORATIONS.

Stereo Relief Mfg. Co. 229-233 E. 41st

FIRE PROOF TERRA COTTA.

Baltimore Terra Cotta Co., I. C. Henderson, sole agent, 237 Broadway (see add p. 139)
Boston Terra Cotta Co. Times bldg. 41 Park row
Colman, Chas. H. & Co. 145 Broadway (see add pp. 136, 137)
Gustavino Fire Proof Construction Co. ft. W. 57th, N. R.
Isaacs, Gustavus, 24 Bethune
Kreischer, B. & Sons, 132 Mangin
Mathiasen & Hansen Perth Amboy Terra Cotta Co. (see add p. 133)
Maurer, Henry & Son, 420 E. 23d (see add opposite inside back cover)
Meeker & Carter, 14 E. 23d
New York Architectural Terra Cotta Co. Potter bldg. 38 Park row
Perth Amboy Terra Cotta Co. 160 Broadway
Person, Orrin D. Mohawk bldg. 160 Fifth av cor. 21st (see add p. 139)
Rache, Leonard De, 250 W. 70th (see add p. 133)
Raritan Hollow & Porous Brick Co. MacIntyre bldg. 874 Broadway
Staten Island Terra Cotta Lumber Co. Equitable bldg. 120 Broadway (see add p. 130)
The Architectural Terra Cotta Works of Perth Amboy, Times bldg. 41 Park row, (room 108)
The Manhattan Fire Proofing Co. MacIntyre bldg. 874 Broadway
The Van Fire Proofing Co., Albert Von den Driesch, 92-94 Liberty (see add opposite inside back cover)
Thomas, E. H. 173 Broadway
Tile Fire Proof Construction Co. Central bldg. 143 Liberty
Union Terra Cotta Lumber Co. 287 Broadway
Wyandanee Terra Cotta Co. 19 Park pl

FIRE PROOFING ASBESTOS.

Chalmers-Spence Co. The, 59 Liberty
Johns, H. W. Mfg. Co 87 Maiden Lane
Keasbey, Robt. A. 58 Warren

FIRE PROOFING MINERAL WOOL.

U. S. Mineral Wool Co. 2 Cortlandt (see add p. 112)

FIRE PROOFING PAINT.

Martin Process Fire Proofing Paint Co. The, 162-164 W. 27th
Swartz, E. H. 23 Av. A (see add p 106)

FIXTURES AND FITTINGS FOR BATH TUBS, PLUMBERS' SUPPLIES.

Adee, Fred. & Co. 90 Beekman (see add p. 109)
Blessing, Geo. A. & Co. 290 Pearl (see add p. 110)
Huber, Henry, & Co. 81 Beekman (see add p. 110)
McShane, Henry, Mfg. Co. 625-627 Sixth av (see add p. 108)
Peck Bros. & Co. 47 Cliff
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add pp. 62, 63)
Sanitas Mfg. Co. 54 Gold
U. S. Heating & Plumbing Co. 471-473 Fourth av

FIXTURES AND FITTINGS FOR STABLES.

Abendroth Bros. 109 Beekman
Aetna Iron Works, 298-300 E. 64th (see add p. 51)
Bent, Samuel S. & Son, 111 Chambers
Cameron Iron Works, 182 Sixth av
Estey, W. S. 65 Fulton (see add p. 24)
Dimond, J. G. & T. 209 W. 33d
Fiske, J. W. 39 Park pl
Hecla Architectural Bronze & Iron Works, Poulsen & Eger, Pulitzer bldg. show rooms 48-51 (see add p. 28)
Howard & Morse, 45 Fulton (see add p. 5)
Hubbard, H. N. 96 Chambers
Jackson Arch. Iron Works, 315 E. 28th (see add p. 31)
Mott, J. L. Iron Works, 88 Beekman
Pitt, W. R. 83 Reade
The Prince & Kinkel Iron Works, 729-731 First av (see add p. 51)
Westervelt, A. B. & W. T. 102 Chambers (see add p. 203)
Westing, Theo. 449 W. 41

FIXTURES, GAS AND ELECTRIC LIGHT.

Archer & Pancoast Mfg. Co. 900 Broadway
Barker, Jos. S. 168 Centre
Bergmann Gas & Electric Fixture Co. 79 Fifth av
Bradley & Hubbard Mfg. Co. 26 Park pl
Cabot, John, 306 Eleventh av
Campbell, John, 9 Bond
Carney, Jos. P. & Co. 315 W. 125th
Cassedy & Son Mfg. Co. 135 W. 23d (see add p. 82)
Central Gas & Electric Fixture Co. 228 Canal
Church & Sleight, 109 Fulton
Crane, Wm. M. & Co. 838 Broadway
Detroit Heating & Lighting Co. 126 Liberty (see add p. 144 and back cover)
Donaldson, Jos. 74 E. 9th
Drew & May, 206 E. 19th
Edison General Electric Co. Edison bldg. 42-44 Broad
Eisenberg, Meyer, 718 E. 11th
Ellenburg, Chas. 35 New Bowery
Flitz, Alexander A. 159 W. 23d & 418 W. 27th
Folmer & Schwing Mfg. Co. 391 Broadway
Frink, Isaac P. 551 Pearl
Fritz, Goldstein & Co. 720 E. 11th
German-American Mfg. Co. 798 Tenth av
Gleason, E. P. Mfg. Co. 20 W. Houston
Griffiths, Geo. 253 W. 124th
Iden & Co. 26 University pl
Kinney, Warren D. & Co. 73 University pl
Kitchen, Geo. H. & Co. 73 University pl
Koehn, Alfred, 89 S Fifth av
Lieberman, Schulz & Benasaraf, 258 Eleventh av
McCoy, J. B. & Co. 5 Thompson
McCreary Electrical Specialty Co. 136 Liberty
McLewee, F. & Son, 25 Waverly pl
Magnes, Morris, 454 W. 38th
Mitchell, Vance & Co. 836 Broadway & 76 E. 13th
Monds & Ryan, 55 W. 16th
N. Y. Gas Fixture Co. 20 Warren
Newburger, A. & Co. 66 Warren
Oxley, Giddings & Enos, 224 Canal
Perelson, L. & Co. 45 Great Jones
Plaut, L. & Co. 527 W. 23d
Pries, William H. 434 Canal
Reilly, C. E. 151 Centre
Rich, Edwin S. 2289 Second av
Rousseau Electric Works, Railroal av and 138th
Schmidt, Theo. H. 122 Elizabeth

Schneider, Campbell & Co. 13th & University pl
The Prince & Kinkel Iron Works, 729-731 First av (see add p. 51)
Titsink & Eising, 159 W. 29th
Trigge, Rich, 135 W. 25th
Van Saun, E. J. 86 Fifth av
Walsh, Owen, 105 Walker
Williams, John, 544-556 W. 27th (see add p. 36)
Young, Martin A. 2366 First av
Young, William & Co. 17 Howard
Young & Middendorf, 729 First av

FIXTURES, OFFICE, BANK, HALL AND THEATRE.

Andrews Mfg. Co. 74-76 Fifth av
Empire Metal Working Co. 76 Fifth av
Estey, W. S. 65 Fulton (see add p. 24)
Gray, Jenks & Co. 3 Union sq (see add p. 93)
Kertscher & Co. 528-532 W. 24th
Pyrogravure Wood Co. 230 E. 37th (see add pp. 96, 97)
The Prince & Kinkel Iron Works, 729-731 First av (see add p. 51)
Williams, John, 544-556 W. 27th (see add p.

FLAG MFRS.

Allien, Henry V. & Co. 738 Broadway
Annin & Co. 99 Fulton
Baldwin, J. W. & Co. 19 Beekman
Bannerman, Francis, 118 Broad
Brown, Arthur, 116 Nassau
Consolidated Fire Works Co. of America, 9 Park pl
Dechen, John, 31 Centre
De Grauw, Aymar & Co. 34-35 South
Dunlevy, A. L. & Co. 71 South, 141 Fulton
Fest, Margaret, 415 W. 40th
Gotthelf's, A. Sons, 29 Willett
Grumbach & Grote, 125 Hudson
Grumbach's, J. E. Son, 227 William
Gunsel, Theodor, 2 Fourth av
Hall, John, 53 W. 18th and West c Bank
Harwood & Son, 58 W. Broadway
Howell, William P. 205 Front
Joel, J. A. & Co. 88 Nassau
Koster, C. H. 5 Park pl

FLAGS, BANNERS AND BURGEES,

C. H. KOSTER, 5 Park Place, N. Y.

Kunkely, Max R. 163 South
McFadden, S. & Co. 198 Hudson
Martin, Thomas, 326 Canal
Mills, Andrew, 53 South
Moltzen, Henry, 31 Second av
Powell, William J. 167 Maiden la
Rehm & Co. 157 Fulton
Schoener, Louis, 56 Fourth av
Shannon, Miller & Crane, 46 Maiden la
Skelton, Frederick, 1325 Broadway, bet 34th and 35th (see add next to last page)
Thorp, Samuel S. & Co. 157 South

Established 1830.

S. S. THORP & CO.,

MANUFACTURERS OF

Awnings, Tents, Flags,

MERCHANDISE COVERS, &c.,

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SAIL MAKERS.

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Chesebro, Whitman & Co. 64th c First av

CHESEBRO, WHITMAN & CO.,

LADDERS, POLES, &c.,

300 EAST 64th STREET,

NEW YORK.

See Advertisement, page 94.

Lilly, Charles H. 16 Centre
Martin, Thomas, 326 Canal
Skelton, Frederick, 1325 Broadway (see add next to last page)
Winant, Cornelius, 241 South

FLINTIC STONE PAVEMENTS.

Macknight, J. W. 150 Broadway

See Advertisement, page 7.

FLOOR AND WALL TILING.

Aeschlimann & Pellarin, 231 E. 28th
American Encaustic Tiling Co. Ltd. 138-140 W. 23d (see add p. 76)
Batterson, See & Eisele, Eleventh av and 35th
Boote, A. 47th and Broadway

Conover, J. S. & Co. 28-30 W. 23d (see add p. 85)
Dale Tile Mfg. Co. Ltd. 398 Broome (see add p. 49)
Davis, Reed & Alexander, 18 E. 15th & 1 W. 34th
Edgewood Co. 1 W. 34th
Herter Bros. 154 Fifth av
Jackson, W. H. & Co. Union sq (see add p. 84)
Klaber, A. 238 E. 57th
Menlo Park Ceramic Works, Jer. T. Smith, prop. Metropolitan Life Insurance bldg, e. 23d and Madison av, (see add p. 131)
Mersereau, W. T. & Co. 39 Union sq
Miller & Coates, 279 Pearl
Mosaic Tile Co. 140 Nassau
New York Vitrified Tile Co. 79-87 Fourth st, Brooklyn, N. Y. Office, 10-12 Reade (see add p. 77)
Person, Orrin D. Mohawk bldg, 21st and Fifth av (see add p 139)
Traitel Bros. 499 Fifth av (see add p. 82)

FLOOR, WALK AND SIDEWALK LIGHTS.

Dale Tile Mfg. Co. Ltd. 398 Broome (see add p. 49)
French, J. C. & Son, 452 Canal (see add p. 47)
Mark, Jacob, 7 Worth (see add p. 30)
Muhl, J. & Son, 329 E. 33d (see add p. 50)
Owens, Alexander & Co. 71 King
The Prince & Kinkel Iron Works, 729-731 First av (see add p. 51)
Tice & Jacobs, 510 Pearl (see add p. 32)

FLOORS, PARQUET, MOSAIC AND INLAID.

Aeschlimann & Pellarin, 231 E. 28th
Boughton & Terwilliger, Fifth av. and 23d
Boynton & Van Winkle, 129 Fifth av. and 151 Eleventh av
Davidson Sons Marble Co. Eleventh av. and 27th (see add p. 123)
Hannam, Wm. & Co. 23 Union sq
Koch, G. W. 168 W. 31th
Kruger & Albert, 314 E. 75th
Larsser, John G. 797 Sixth av
National Wood Mfg. Co. 129 Fifth av
N. Y. Flex. Wood Flooring Co. 17 W. 42d (see add p. 92)
Peel & Metz Co. 319 E. 22d
Pope & Gottschalk, 501 E. 70th
Prince & Muir, 310-316 E. 95th
Pyrogravure Wood Co. 230 E. 37th (see add pp. 96, 97)
Rider, Charles E. 315 Fifth av
Stair, E. D. & Co. 7 W. 14th
Traitel Bros. 499 Fifth av (see add p. 82)
Wood Mosaic Co. 315 Fifth av

FLUE LININGS, FIRE CLAY.

Colman, Chas. H. & Co. 145 Broadway (see add pp. 136, 137)
Meeker & Carter, 14 E. 23d
Person, Orrin D. Mohawk bldg, 21st and Fifth av (see add p. 139)
Robbins, Geo. B. & Co. 136th and Third av (see add p. 122)
Staten Island Terra Cotta Lumber Co. 120 Broadway (see add p. 130)
U. S. Fire Clay Co. Branch Office, Charles H. Colman & Co. 145 B'way (see add p. 137)

FOLDING BEDS.

Andrews Mfg. Co. 74-76 Fifth av
Doring, Ernest N. 59 W. 14th
Hale & Kilburn Mfg. Co. 94 Fifth av
Otis, Daniel C. 204 W. 23d
Rowell, Henry S. 204 W. 23d
Standard Folding Bed Co. 39 W. 14th
Union Wire Mattress Co. 7 W. 14th
Warner, C. A. & Co. 33 W. 14th

FORGES, PORTABLE.

Beggs, James A. & Co. 9 Dey
Donegan & Swift, 11 Murray
Pollack, Alexander, 15 Cortlandt
Sturtevant, B. F. Co. 91 Liberty

FOSSIL MEAL PIPE AND BOILER COVERINGS.

Boltons, G. & J. R. Imp. Hot Water Heater, Geo. H. Raymond, Manager, 114 Liberty (see add p. 69)
Fossil Meal Co. 2 Cedar
Keasbey, Robt. A. 58 Warren

FOUNDERS, BELL.

McShane, Henry, Mfg. Co. 625-627 Sixth av (see add p. 108)
Williams, E. A. & Son, 15 Dey, 105-111 Plymouth st. Jersey City
Zimdars & Hunt, 127 Fifth av

FOUNDERS' FACING MATERIALS.

Dixon, Jos. Crucible Co. 68 Reade
Ilsley, Doubleday & Co. 229 Front
Kelly, T. P. & Co. 291 Pearl
N. Y. Sand & Facing Co. 273 Cherry
Whitehead, Chas. & Wm. 517 W. 15th

FOUNDERS' RIDDLES.

Estey, W. S. 65 Fulton (see add p. 24)

FRESCOING.

Ball & Co. 25 W. 42d (see add p. 93)
Bouche, Henry L. MacIntyre bldg, 874 Broadway
Douthitt, 286 Fifth av (see add p. 91)
Fischer, Schroeter & Co. 105 W. 42d
Hall, J. S. Mohawk bldg. 160 Fifth av. cor. 21st
Herter Brothers, Fifth av. and 20th

FRINGES, CORD AND CHENILLES MFR.

Bode, Otto, 221 E. 38th

FURNACES, HOT AIR, MANUFACTURERS AND AGENTS.

Abendroth Bros. 109 Beekman
Barstow Stove Co. 228 Water
Beck, F. E. & Co. 1001 Third av
Beebe Range & Furnace Co. 110 Beekman
Boltons, G. & J. R. Imp. Hot Water Heater, Geo. H. Raymond, Manager, 114 Liberty (see add p. 69)
Bowskys, L. 843 Third av
Boynton Furnace Co. 207-209 Water
Butler, J. Q. A. 262 Water
Corey, Usal & Co. 210 Water
Cort, J. H. cor. Water and Beekman
Cox, Abraham, Stove Co. 284 Pearl
Crandall & Godley. 157 Franklin
Denny Bros. Co. 34 Park pl
Ely & Ramsay Co. The, 247 Water
Graff & Co. 208 Water
Harvey Furnace Co. 1345 Broadway
Higgins, W. F. 379 Lexington av (see add p. 67)
Humbury, James, 25 Coentis sl
Hyslop, John, 206 E. 29th
Jackson, W. Sons, 246 Front
Janes & Kirtland, 240 Water & 110-116 Beekman
Kerster, 115 Beekman
Kirkland, Jas. F. 242 Water
Lincoln, J. D. & C. C. 236 Water
Lyon, J. G. 248 Water
McAnneny & Co. 9 Carmine
MacGregor Furnace Co. 115 Beekman
Morgan, Jos. P. 1301 Third av
Morris, A. & U. 60 Hester
Mott, J. L. Iron Works, The, 88 Beekman
Munsell, Eugene & Co. 218 Water
National Stove Works, 243 Water
Nugent, T. 214 E. 80th
O'Brien, M. J. 827 Sixth av
Pasco & Palmer, 1293 Broadway
Pease, J. E. Furnace Co. 205 Water
Pierce, Butler & Pierce Mfg. Co. 24 Duane (see add p. 68)
Richards, Saml. G. 115 W. 28th
Richardson & Boynton Co. 234 Water
Richardson & Morgan Co. 92 Beekman
Sheppard Isaac A. & Co. 1801 No. 4th Philadelphia (see add p. inside back cover)
Simonds Mfg. Co. The, 50 Cliff
Smith & Anthony Stove Co. 106-108 Beekman
Starrett, Geo. 227 Water
Strachan, Robt. W. 355 Eighth av
Teets, Albert & Co. 605 Eighth av
Teets, Saml. A. 507 Eighth av
Thatcher Furnace Co. 33 Peck sl
Thomas-Robert-Stevenson Co. The, 250 Water (see add p. 68)
Tivy, Lawrence, 97 William
Union Stove Works, 70 Beekman
Westerfield, Jas. W. 478 Sixth av

FURNITURE, CHURCH, HALL, SCHOOL AND THEATRE.

Andrews Mfg. Co. 76 Fifth av
Frost Veneer Seating Co. 206 Canal
Gardner & Co. 643 W. 48th
Geisler, Rudolph, 52 Lafayette pl
Globe Furniture Co. 3 E. 14th
Grand Rapids School Furniture Co. 34 E. 14th
Hale & Kilburn Mfg. Co. 94 Fifth av
Kertscher & Co. 528 to 532 W. 24th
Lamb, J. & R. 59 Carmine
Manitowoc Mfg. Co. 257 Canal
Phillips, Geo. W. 560 W. 23d (see add p. 101)

FURNITURE DEALERS.

Airey, Frank, 37 W. 14
Alexander Bros. 107 Bowery
Amone, C. A. & Bros. 177 Prince
Andrews Mfg. Co. 74-76 Fifth av
Archer Mfg. Co. 223 Canal
Auerbach, David, 340 Bowery
Baer, Morris, 121 Pitt
Balamuth, Harris, 190 Delaney
Ballen, Aaron, 453-461 Eighth av
Barnes, A. E & Bros. 198 Canal
Bartelmes, H. & Sons, 401 Eighth av
Baumann, Ludwig & Co. 260 Sixth av. 512 Eighth av
Baumann, J. & S. 733 Eighth av
Baumann, S & Bros. 39 W. 23d
Baumann Bros. 22 E. 14th, 19 E. 13th
Baumhol, Saml. 187 Rivington
Beck, Geo. 180 and 203 Eighth av
Benesh, Anton, 1353 First av
Bermann, C. & Son, 6 Ave. A
Bernstein, Adolph, 1461 Third av
Bernstein, Philip, 85 Hester
Bertine, C. D. & Co. 9 E 19th
Blaha, Adolph, 1396 Ave. A
Blight & Gillespie, 2446 Eighth av
Blumberg, Max, 809 Columbus av
Blumberg, Wm. I. 1648 Second av
Bopp, Oscar & Co. 21 Pitt
Bossong, Jacob & Sons, 47 Ave. B.

Bossong, John, 100 Thompson
Brady, Edward, 174 Eighth av
Braum, Ferdinand, 179 Hester
Brechtel, Frank J. 269 Bowery
Breucher, Conrad. 705 Columbus av
Brien, Gilbert F. 301 W. 29th
Brodowsky, Barnet, 123 Delancey
Brodowsky, Louis & Son, 135 Delancey
Brown, Danl. M. 288 Grand
Brown, Francis, 153 Attorney
Brown, Geo. & Clifford, 46 E. 14th
Bruner & Moore Co. 43 W. 14th
Burke, W. M. 2047 Third av
Burke & Lynch, 2091 Third av
Butscher, Otto, 41 First av
Casey Bros. 564 Tenth av
Cashin, Mary, 302 Sixth av
Cohen, Louis, 57 Essex
Cohen, Louis, 403 Ninth av

LOUIS COHEN,

FURNITURE,

403 NINTH AVENUE, 421

Bet. 32d and 33d Sts. Bet. 33d and 34th Sts.

Stores and Offices Fitted up. Store Fronts a Specialty. All Orders Promptly Attended to.

Cohen, Samuel, 88 Hester
Coogan Bros. 123 Bowery and 378 Third av
Cooke, John & Bro. 826 Tenth av
Corbett, Otis, 148 W. 23d
Cottier & Co. 144 Fifth av
Cowperthwaite, B. M. & Co. 195 Park row
Cullen, Andrew, 381 Canal
Curley, James, 522 Hudson
Davenport, A. H. 299 Fifth av
Debois, B. H & Co. 1382 Third av
De Graff & Taylor Co. 47 W. 14th and 48 W. 15th
Delahanty, Jas. P. 285 Eighth av
Delaney, Danl. 523 First av
Delatre, Henry, 94 W. Houston
Deltour, John, 117 Macdougal
Dewis, Benjamin, 1501 Third av
Dieter, Jacob, 3 First
Doehler & Embach, 448 Sixth av
Doeherty & Co. 537 Eighth av
Donahue, Michael, 277 Hudson
Dreesacker & Co. 2287 Tihrd av
Dyers, Henry M. Son, 41 E. 20th
Eckhardt, Conrad, 2860 Third av
Eckhardt, Henry, 83 First av
Eisler, Henry S. 67 Bowery
Elkin, N. I. 36 Christie
Elliott & Cougle, 52 Elizabeth
Eppler, G. & Son, 20 and 323 E. 22d
Epstein, David, 99 Essex
Erthal, Eliza, 159 Essex
Falahee, James, 632 Eighth av
Farley, John, 2794 Third av
Farrell, E. D. 73 Bowery
Farrell, E. D. & Co. 675 Third av
Farrington, Horace J. 202 Canal and 1 Baxter
Fay, Jas. 328 W. 42d
Federhart, A. 2050 Seventh av
Feeney, Bernhardt, 365 Third av
Fell & Vanness, 852 Third av
Fels, Chas. 222 E. 37th
Fennell & Pye, 248 Grand
Finkenberg, Adolph, 48 Ave. B
Flagg Jarred, 103 W. 29th
Flint, Geo. C. Co. 106 W. 14th, 154 W. 19th
Fogal, John P. 688 Tremont av
Forbes, Isabella, 1390 Second av
Foster, J. E. & Co. 17 Elizabeth
Frank, Dora, 70 Mott
Freundlich, Bernhard, 349 E. Houston
Friel & Hand, 891 Third av
Friend, Herman, 232 Ninth av
Gately & Williams, 136 W. 23d
Gebhardt, Morris, 121 Pitt
Gerhards, H. C. 1034 Second av
Germann, G. A. & F. 395 Grand
Gillies, J. F. 35 W. 23d
Goett, E. 27 Ave. A
Goldenberg & Miller, 58 Clinton
Goll, Fred. 195 Canal
Goodman, Henry H. 1643 First av
Goodman, Philip H. 158 Ridge
Grange, Anthony, 165 Bleecker
Greenberger, E. 206 E. 57th
Greenstone, H. 432 Second av
Gregg, Joshua, 1 E. 14th
Grinstein, I. 193 Ave. A
Gross, Emanuel, 24 Stanton
Grossman, Martin & Sons, 193 Canal
Grub, Henry, 179 Canal
Grunhut, Henry, 111 Essex
Guineven, William, 688 Eighth av
Guttag, L. 2893 Third av
Hagan, Ernest F. 213 E. 26th
Hahn & Hohner, 1424 Third av
Hale & Kilburn Mfg. Co. 94 Fifth av
Hall Bros. Mfg. Co. 299 Pearl
Hanson & Morrison, 1233 Third av
Hareq, Elisa, 218 W. 32d
Hargrave, J. J. 300 W. 43d
Hartman, Chas. 541 Columbus av
Haubenstock, S. 54 Attorney
Hayden Furniture Co. 1286 Broadway
Hellrung, B & Bro. 145 Bleecker
Hermann Bureau Co. 368 Broome
Herman, Henry, 519 Courtland av
Herschman, S. T. 290 Bowery
Herter Bros. 154 Fifth av
Herts Bros. 894 Broadway and 104 E. 32d
Hess, D. S. & Co. 876 Broadway
Heyman, Solomon & Co. 993 Third av
Higgins, Francis T. 729 Eighth av
Hofstatter, Theo. & Co. 828 Broadway
Hogan, Alice, 294 Hudson
Homan, Andrew Co. 440-450 Water and 191 Canal
Horn, Aug. J. 845 Eighth av
Horner, R. J. & Co. 63 W. 23d
Horsford, W. H. 2283 Eighth av
Huber, Chas. H. & Bro. 174 Fifth av
Irving, Chas. & Son, 509 Third av
Israel, Hyman & Sons, 99 Bowery
Jones, Owen, Son, 173 Eighth av
Jordan & Moriarty, 209 Park row and 157 E. 23d
Kasschan, H. F. & Co. 275 Bowery
Katzenstein, Emma, 262 Hudson
Keane, James R. & Co. 1357 Third av
Keep, Gerard, 152 Eighth av
Kehoe, Catherine R. 267 W. 125th
Kellner, John A. 113 Nassau
Kelly, Thos. 263 Sixth av and 104 W. 17th
Kennedy, Luke, 50 Madison
Kienzle, Chas. 963 Sixth av
Kimble, A. & Sons, 7 E. 20th
Klingenschmitt, J. 3 E. 1st
Knapp, Sheppard & Co. 185 Sixth av

Kohn, Esther, 510 Hudson
Kohn, Jacob & Josef, 297 Pearl
Konyn, A. 631 E. 138
Kreidel, Valentine, 402 Fifth av
Kuhne, Rosa, 2497 Eighth av
Kurtz & Graham, 17 W. 34th
Lamm & Co. 205 Canal
Lampe, Henry, 1607 First av
Langan, John, 25 Sixth av
Lapidus & Fishman, 164 Clinton
Lass, Emil, 158 Greenwich
Laughlin, David, 46 W. 14th
Laun, John, 30 W. 12th
Leeman, John E. 72 W. 3d
Leonard, T. & Son, 711 Eighth av
Lester's, Andrew. Sons, 939 Eighth av
Lewin, Julius, 2413 Eighth av. and 2429 Eighth av
Lewis, Geo. F. 147 Mulberry
Lewis, Theo. 543 and 563 First av
Littte, John H. & Co. 5 W. 14th
Lowenstein's, A. Sons, 58 W. 23d
Luddy, Jas. A. 27 New Bowery and 24 Madison st
Luhs, Abraham, 18 W. 14th
Luntz Bros. 148 Ridge
McCormack, John & Co. 3368 Third av
McFadden, W. E. 39 E 19th
McGrorty, J. J. 2270 Third av
McKevitte, Freeman & Chesbro, 191 Canal
McNab, Jas. B. 747 Broadway
McShane, Mary J. 28 Madison
Manges, Moses, 304 Eighth av
Manges Bros. 114 Rivington
Mannes, Henry & Son, 429 Eighth av
Marcotte, L. & Co. 298 Fifth av and 158 W. 32d
Margraf, C. & Son, 308 E. Houston
Meirowitz & Altman, 370 E. Houston
Merklin Bros. 390 Third av
Meyer, Frank H. 6 First av
Meyer, Samuel, 1401 Third av
Meyerhoff, Samuel, 85 Essex
Miller, Walter H. 833 Tenth av
Miller, R. & Son, 643 Eighth av
Minshall, Francis G. 719 Eighth av
Mittag, Louis, 132 Bleecker
Moore & Co. 42 Elizabeth
Moran, Jas. 734 Third av
Moriarty, John, 1 Fourth av
Morlong, Wm. 1054 Washington av
Murberg, Chas. 248 E. 23d
Nathan, P. & Co. 158 Hester
National Parlor Furniture Co. 80 Bowery
Neary, Luke, 547 First av
Neary & Co. 11 Vandewater
Neppel, Jacques L. 469 Third av
Neumann & Co. 263 Fifth av, 323 E. 22d
Neumann & Stearn, 38 Clinton
N. Y. Furniture Co. 128 W. 14th
Nierenberg, Morris, 87 Hester
Noonan, J. J. 407 W. 42d
Nopper & Horneck, 31 E. 20th
O'Callahan, Elizabeth, 406 Eighth av
O'Farrell, D. & Co. 410 Eighth av
O'Hagan, John, 308 Tenth av
Olmstead, Robt, 2350 Second av
Oppenheimer, Edward, 626 Tenth av
Oppenheimer, Max & Co. 110 W. 42d
Oppenheimer, Sophia, 42 Amsterdam av
Ordway, E. M. 145 Spring, 14 Rivington
Orr, James, 603 Eighth av
Ott, John, 1994 Third av
Palmer & Embury, 20 E. 18th and 9 Gouverneur slip
Passmore, Richard, 204 W. 15th
Patton, J. G. & Co. 2069 Third av
Pearce, J. E. & Co. 120 W. 19th
Petrikat, Otta A. & Co. 501 Lexington av
Phillips & Berliner, 111 Ave. B
Phillips, Bernard, 38 Hester
Phœnix Furniture Co. 177 Canal
Piser, S. 2731 Third av
Plimpton, Jas. L. 30 Stuyvesant
Pottier, Stymus & Co. 375 Lexington av
Proffen, Chas. 4183 Third av
Rachon, John, 282 Ninth av
Radcliffe, P. W. 563 Ninth av
Rathowsky, Gustave, 762 Columbus av
Reismann, Ignatz, 201 Third av
Reubel, Geo. 189 First av
Reubel, Wm. 3029 First av
Reuning, Aug. 333 First av
Rhoner, Frank & Co. 437 E. 22d and 440 E. 23d
Rode, Fred. 247 Fifth av and 122 W. 25th
Romaine, Wm. R. 248 E. 125th
Romer, Adam, 2179 Third av
Rosen, Harris & Son, 70 Hester
Rosenheim, Rosa, 42 Ave. C
Rossmann, Simon, jr. 296 Second
Roth, Jacob, 409 E. Houston
Roth & Berkowitz, 197 Delancy
Roux & Co. 102 Gansevort
Rubenstein, Joseph, 39 Bowery
Rubin, Francis, 80 Hester
Ruddell, Wm. J. 731 Eighth av
Rustic Mfg. and Construction Co. 29 Fulton
Sachs, Hyman, 13 Suffolk
Safft, Gustav, 70 W. 38th
Sakolsky, Harris, 115 Essex
Sargent Mfg. Co. 814 Broadway
Sauter, John N. 1503 First av
Seallion, Francis, 709 Third av
Schastey, Geo. A. Broadway & 53d
Schloss, E. & Co. 379 Pearl
Schmitt, Fred. 2654 Third av
Schmitt Bros. 40 E. 23d & 32 W. 29th
Schradski, H. & M. 1958 Third av
Schrenkeisen, M. & H. 23 Elizabeth
Schrenkeisen, M. F. & F. E. 49 Elizabeth
Schulc, H. & Sons, 295 Bowery
Schultz, Chas. G. A. 604 Columbus av
Schultz, Otto J. 820 Sixth av
Schwarzkopf, D. & Co. 2232 Third av
Schwarzwaelder, W. & Co. 37 Fulton
Sesso, Ciro, 289 Mott
Shimer, Bernard, 245 Stanton
Sielken, J. A. 376 Alexander av
Smith, W. H. 945 Broadway
Snyder & Rode, 751 Ninth av
Sobel, Leon, 1471 First av
Solomon, Isaac & Co. 43 Delancey
Sonto, B. & Co. 161 Front
Sparmann Furniture Co. 109 Seventh av
Spies Bros. 1526 Second av
Stacom, Thos. 2270 Third av
Steinbugler, J. jr. 206 Av. A
Stern, Oscar, 175 First av
Stern, Solomon, 706 Ninth av
Stiefel, P. H. 117 Av. C
Strom, Herman, 36 Madison
Stromeyer, W. A. 4 E 9th
Sullivan, Thos. 50 Prince

Swain, Henry C. 319 Pearl
Thonet Bros. 834 Broadway
Thosen, Henry, 789 Third av
Turner, Clara F. 220 W. 14th
Umpire Carpet & Furniture Co. 61 W. 14th
Union Furniture Co. 2931 Third av
Valley, Patrick W. 65 Nassau
Vanbrink, Jacob, 40 Av. D
Vandewater, Chas. B. 43 Liberty
Vetter, Geo. F. & Sons, 399 6th av
Vogel, F. & Co. 84 Bowery
Vohdin, Philip S. Boulevard & Tremont av
Voit Bros. 288 Bowery
Waldman, Wm. 219 Delancey
Waxberg, Hiller, 69 Hester
Wiegold, John G. 202 E. 38th
Wennies Bros. 107 Sulfolk
Wentworth's, Sons, 111 Bowery
Wheeler, Elizabeth, 155 E. 125th
Wheelock, James W. 22 E. 18th
Wiemer, Henry, 56 Ridge
Willis, Thos. 8 Fourth av
Wilson, Geo. 823 Broadway
Wolf, Chas. & Co. 39 Av. B
Wolf, Joseph & Son, 452 Grand
Wolf, Lucian, 99 Av. B
Wolf, E. & Sons, 3 Av. B
Worrell & Best, 1880 Third av
Zittlosen, Martha E. 178 Mulberry

FURNITURE MFRS.

Andrews Mfg. Co. 76 Fifth av
Baumgarten, Wm. & Co. 321 Fifth av
Behrendt, E. 264 W. 46th
Benkiser & King, 64 Nassau
Bertine, C. D. & Co. 9 E. 19th
Brown, George & Clifford, 46 E. 14th & 379-381 W. 12th
Cleavert, C. J. 324 W. 26th
Corbett, Otis, 148-154 W. 23d
Davenport, Albert H. 299 Fifth av
Degraaf & Taylor Co. 47 W. 14th
Derby & Kilmer Desk Co. 19 Beekman
Demlein, J. B. 1003 Park av
Dieter, J. 3 E. 1st
Ebbecke & Steinan, 256 W. 28th
Epple, G. & Son, 20 E. 22d
Erickson, E. S. 158-160 W. 27th
Fels, Chas. 222-224 E. 37th
Finn Bros. 60 Elm
Fischer, Schroeter & Co. 105 W. 42d
Flagg, J. 103 W. 29th
Flint, George C. Co. 106 W. 14th
Freeman & Young, 18 E. 21st
Gehler, F. & Sons, 102 E. 17th
Globe Co. 86 Warren
Greenberger, E. 206-208 E. 57th
Hagen, Ernest F. 213 E. 26th
Hale & Kilburn Mfg. Co. 94 Fifth av
Hall Bros. Mfg. Co. 273 Pearl
Hawkins, A. P. 21 E. 16th
Hermann Furniture Co. 568 Broome
Herter Bros. 145 Fifth av cor. 20th
Herts Bros. 894 Broadway & 104 E. 32d
Himzinger, George, 325 W. 16th
Homan, Andrew & Co. 410 Water & 191 Canal
Hutchings, C. A. 35 E. 19th
Knapp, Sheppard & Co. 185 Sixth av
Kurtz & Graham, 17 W. 34th
Lewin, J. 239 W. 125th
Liesenbein Bros. 224 E. 42d
Luft, Henry, 180 W. Houston
Merklen Bros. 390-396 E. 3d
Monaghan & Co. 74 W. 53d
Neppert Bros. 390 Canal
Newman & Co. 263 Fifth av
Palmer & Embury, 20 E. 18th
Pearce, J. & Co. 120 W. 19th
Pottier, Stymus & Co. 375 Loxington
Reimann, Jacob, 152-154 Prince
Rhoner, Frank & Co. 437 E. 22d
Rode, Frederick, 249 Fifth av
Rothschild's, R. Sons Co. The, 739-741 Broadway
Roux & Co. 133 Fifth av
Sargent Mfg. Co. 814 Broadway
Schastey, George A. & Co. 1681 Broadway cor. 53d
Schmitt Bros. 40 E. 23d
Schultze, W. L. & Co. 230 W. 40th
Schwarzwaelder, William & Co. 37 Fulton
Seebald, A. 1060 Third av
Sellew, T. G. 111 Fulton
Sotscheck, J. 26-28 E. 59th
Stein J. & Co. 185 E. 2d
Steiner & Hirschfeld, 50 E. 59th
Sypher & Co. 246 Fifth av
The Hayden Furniture Co. 1286 Broadway
Tufts, John M. 83 Nassau
Watson, H. O. 11 E. 30th
Weil, A. L. 139 E. 113th

GALVANIZED GUTTERS AND LEADERS.

Abendroth & Root, 28 Cliff (see add opp. Key to Ward Atlas)
Architectural Sheet Metal Works, 205 E. 99th
Bruce & Cook, 186-190 Water, 248-250 Pearl
Merry, John & Co. 535-547 W. 15th (see add p. 66)
Mosely Iron Bridge & Roof Co. 5-7 Dey (see add p. 49)
Murphy, Geo. M. 43 New Chambers
The N. Y. Roofing & Corrugating Co. 29 Broadway (see add p. 51)

GALVANIZED IRON BOAT PUMPS.

Ocrowley, M. F. 138 Broad

GALVANIZED IRON BOILER MFRS.

Blessing, Geo. A. 290 Pearl (see add p. 119)
Hepe, Koven & Co. 18 Spruce
Iron Clad Mfg. Co. 22 Cliff
McShane, Henry, Mfg. Co. 625-627 Sixth av (see add p. 108)
Ronalds & Co. 54 Cliff

Steeger, Henry, 141-143 E. 31st (see add p. 112)
Trageser, John, Steam Copper Works, 447-457 W. 26th (see add p. 111)

GALVANIZED IRON CORNICES.

Breivogel, Geo. 36 Rose
Mullins, W. H. 108 Chambers, J. T. Wagner, agent

GALVANIZED IRON PIPE MFRS.

Abendroth & Root Mfg. Co. 28 Cliff (see add opp. Key to Ward Atlas)
Jersey City Galvanizing Co. 28 Platt
Lefferts, Marshall & Co. 100 Beekman, 485 Cherry
McShane, Henry, Mfg. Co. 625-627 Sixth av (see add p. 108)
Mayer, Oscar, 27 Fulton

GALVANIZED IRON STORE FRONTS.

Lyon, W. E. 202 E. 46th (see add p. 46)
Muhl, J. & Son, 329 E. 33d (see add p. 50)
Mullins, William H. 108 Chambers, J. T. Wagner, Agt.

GALVANIZED IRON WORKERS.

Architectural Sheet Metal Works, 205 E. 99th
Barbig, E. & F. 900 Third av
Beattie, Andrew, 33 Second
Bickelhoupt, George, 243-245 W. 47th (see add p. 6)
Blechner, Albert, 2985 Third av
Borkel, John, 42-44 E. Houston
Brandt, Fred. 169 E. 85th (see add p. 106)
Brandt, W. H. 555 E. 140th
Breitenbach & Tuttle, 404 E. 104th
Brendel & May, 609 W. 52d
Burger & Lee, 376-378 Greenwich
Campbell, Felix, 79 John
Collins, James H. 204 W. 18th
Erzer, Louis, 623 E. 16th
Fischer, George & Bro. r. 209 Forsyth
Gorton, James, 1545 Third av
Hagan, Thomas, 227-229 E. 56th
Halliday, M. 218 E. 9th
Harrison, T. 235 Centre
Hayes, George, 71 Eighth av (see add p. 8)
Helvig, H. A. J. 27 South
Hepe, Koven & Co. 18 Spruce
Honey & Co. 116 W. 18th
Iron Clad Mfg. Co. 22 Cliff
Irving, George H. & Bro. 403 W. 24th
Jacob, August, 260 E. 78th
Matthews, James & Son, 509 E. 18th & 172 E. 110th
McArdle, P. H. 154 E. 35th
McGowan, P. & Son, 204 E. 81st
Morrow, J. 225 W. 50th
Moseley Iron Bridge & Roof Co. The, 5-7 Dey (see add p. 49)
Mullins, W. H., J. T. Wagner, Agt. 108 Chambers
New York Exhaust and Blow Pipe Co. 543 W. 21st
New York Iron Roofing and Corrugating Co. 29 Broadway (see add p. 51)
New York Roofing Co. 437 E. 23d
Nicholson & Galloway, 646 Hudson
Ottiwell, John D. 199 Third av
Reichert, Christian, 106 Essex
Robinson, W. G. 212 Third av
Schmidt, Herman, 203 Forsyth
Schwoerer, Anthony, 120 Av. D
Schwoerer, Jacob, 8 Second
Tiee & Jacobs, 510 Pearl (see add p. 32)
Trageser, John, 447-457 W. 26th
Turno, Henry, 2292 Second av
Van Orden, Edward, 110 John
Van Riper, Chas. & Co. 157 E. 126th
Vincent, W. E. D. 445 W. 45th
Werner, Charles, 611 E. 150th
Werner, G. F. 408-410 E. 77th
Wines, William D. 44 Centre

GALVANIZED PUMP CHAINS.

Douglas, W. & B. 85 John

GALVANIZED SHEET IRON MFRS.

Abendroth & Root, 28 Cliff (see add opp. Key to Ward Atlas)
De Milt, H. R. & Co. 238 Water
Fuller Bros. & Co. mfrs.' agts. 139 Greenwich
Jersey City Galvanizing Co. 28 Platt
Lefferts, Marshall & Co. 491-503 Cherry, 100 Beekman
Merry, John & Co. 535-547 W. 15th (see add p. 66)
Moorehead-McCleane Co. 81 John

GALVANIZED SHEET IRON AND MFRS. LION AND PHOENIX BRAND.

Merry, John & Co. 535-547 W. 15th

JOHN MERRY & CO.,
Manufacturers of and Dealers in
Galvanized, Black and Corrugated
SHEET IRON.
Office and Warerooms, 535 to 547 West 15th St., N. Y.
Plate Iron, Tin Plates, Solder, Zinc and Nails, Corrugated and Spiral Conductor Pipe. Sole Importers of "Merry's Old Method" Roofing Plate.

See Advertisement, page 66.

GALVANIZED TWIST SETTING.

Estey, W. S. 65 Fulton (see add p. 24)

GALVANIZED WIRE CLOTH MFRS.

Clinton Wire Cloth Co., George E. Howard, agent, 76 Beekman
DeWitt Wire Cloth Co. 32 Reade (see add p. 24)
Estey, W. S. 65 Fulton (see add p. 26)
Gilbert & Bennett Mfg. Co. 44 Cliff
Howard & Morse, 45 Fulton (see add p. 5)
Roebling's, John A. & Sons Co. 117-119 Liberty
Washburn & Moen Mfg. Co. 16 Cliff

GALVANIZERS.

Abendroth & Root Mfg. Co. 28 Cliff (see add opposite key to ward maps)
Brockner & Evans, 28 Vesey
Gilbert & Bennett Mfg. Co. 44 Cliff
Hamblin & Russell Mfg. Co. 44 Cliff
Jersey City Galvanizing Co. The, 28 Platt
Lefferts, Marshall & Co., agents, 491-503 Cherry & 100 Beekman
McLean, John, 298-300 Monroe
Merry Bro. & Co. 30-34 Eleventh av
Nelson, O. 295 Pearl
Tiebout, W. & J. 16 Chambers
Trageser, John, Steam Copper Works 447-457 W. 26th (see add p. 111)
Wilcox, Crittenden & Co. 33 South

GAS AND ELECTRIC LIGHT FIXTURE MAKERS.

Archer & Pancoast Mfg. Co. 898-900 Broadway
Barker, Joseph S. 168 Centre
Bergman Electric & Gas Fixture Co. 79 Fifth av
Bradley & Hubbard Mfg. Co. 21 Barclay & 26 Park pl
Campbell, John, 9 Bond
Carney, Joseph P. & Co. 315 W. 125th
Cassidy & Son Mfg. Co. 133 W. 23d

CASSIDY & SON M'F'G CO.,
MANUFACTURERS OF
ELECTRIC and GAS FIXTURES,
133 & 135 West 23d Street,
And 124, 126 & 128 West 24th Street,
NEW YORK.
See Advertisement, page 82.

Central Gas & Electric Fixture Co. 228 Canal & 120 Walker
Church & Sleight, 109 Fulton
Crane, William M. & Co. 838 Broadway
Detroit Heating & Lighting Co. 126 Liberty (see add p. 144)
Donaldson, Joseph, 74 E. 9th
Drew & May, 206 E. 19th
Edison General Electric Co. Edison bldg. 44 Broad
Eisenberg, Meyer, 718 E. 11th
Faitiz, Alexander, 159 W. 23d
Folmer & Schwing Mfg. Co. 391 Broadway
Frink, Isaac P. 551 Pearl
Gleason, E. P. Mfg. Co. 20 W. Houston
Griffiths, George, 253 W. 124th
Iden & Co. cor. 9th & University pl
Kinny, Warren D. & Co. 73 University pl
Kitchen, G. H. & Co. 23 University pl
Magnes, Morris, 454 W. 38th
McCoy, J. B. & Co 5 Thompson
McCreary Electric Specialty Co. 136 Liberty
McLewee, F. & Son, 25 Waverly pl
Mitchell, Vance Co. The, 836-838 Broadway
Monds & Ryan, 56 W. 16th
Newburger, A. & Co. 66 Warren
New York Gas Fixture Co. 20 Warren
Oxley, Giddons & Enos, 224 Canal & 120 Walker
Plaut, L. & Co. 527 W. 23d
Pries, W. H. 433 Canal
Reilly, C. E. & Co. 151 Centre
Schneider, Campbell & Co. 13th & University pl
Titsink & Eising, 157 W. 29th
Van Sauer, E. J. 86 Fifth av
Williams, John, 544-556 W. 27th (see add p. 36)
Young, William & Co. 17 Howard
Young & Middendorff, 729 First av

GAS ENGINES.

Chase, W. L. 34 Dey
Clark Gas Engine Co. 113 Chambers
Connolly Motor Co. 111 Broadway
Gas Engine & Power Co. Morris Dock
Goodwin Gas Stove & Motor Co. 113 Chambers
Hart, William B. 106 Washington
Jeffers & Kumberger, 158 W. Broadway
Kirby, J. M. 47 Dey
Korting Gas Engine Co (Ltd.) 74 Cortlandt
Kruse & Weiss Motor Co. 124 E. 14th
Lawson Gas Engine Co. 205 Centre
Manning, A. C. & Co. 18 Vesey

A. C. MANNING & CO.,
Manufacturers of the
OTTO GAS ENGINE,
No. 18 VESEY STREET,
NEW YORK.
See Advertisement, pages 15 & 59.

Maynard, J. Q. 114 Liberty (see add p. 20)
Nash Gas Engine Co. 252 Broadway
National Meter Co. 287 Broadway
Rollason Gas Engine, 15 Dey

ROLLASON GAS ENGINE.

WAREROOMS
AND GENERAL OFFICE,

No. 15 DEY STREET,
NEW YORK.

H. W. HARRIS, General Agent.

See Advertisement, page 143.

Sayer & Co. 37 Dey
Schleicher, Schumm & Co. 18 Vesey
Welch, F. 99 Watts
Welch & Lawson, 205 Centre
Wing, L. J. & Co. 126 Liberty (see add opp. 2d Ward)

GAS FIXTURE MAKERS.

Archer & Pancoast Mfg. Co. 900 Broadway & 586 First av
Barker, Joseph S. 168 Centre
Bergmann Gas & Electric Fixture Co. 79 Fifth av
Bradley & Hubbard Mfg. Co. 21 Barclay & 26 Park pl
Cabot, John, 306 Eleventh av
Campbell, John, 9 Bond
Carney, Jos. P. & Co. 313-315 W. 125th
Cassidy & Son Mfg. Co. 133-135 W. 23d & 124-128 W. 24th

CASSIDY & SON M'F'G CO.,
Manufacturers of
Electric and Gas Fixtures,
133 & 135 WEST 23d STREET,
AND
124, 126 & 128 WEST 24th ST.,
NEW YORK.

See Advertisement, page 82.

Crane, William M. & Co. 838 Broadway
Curtis, M. L. & Co. 1595 Broadway
Donaldson, Joseph, 74 E. 9th
Drew & May, 310 E. 19th
Folmer & Schwing, 391 Broadway
Frink, I. P. 551 Pearl
Fritz & Goldstein, 141 Elm
Goetz, B. Mfg. Co. 172-174 Mercer

C. D. GERVIN, Pres. H. D. EAMES, Vice-Pres.
A. L. SCHRYVER, Treas. J. R. SCHRYVER, Secy.

B. GOETZ MANUF'G CO.,
Patentees and Manufacturers
Diffusive Gas & Day-Light Reflectors
Lamps, Lanterns, Shades, Gas Burners, Gas Fixture Novelties, and Fancy Metal Work.
Office & Salesroom, 172 & 174 Mercer St., N. Y.
Factory, 162 & 164 West 27th Street.

Iden & Co. 26 University pl
Kane, James, 886 First av
Kitchen, George H. & Co. 73 University pl
Luetke, Oscar, 662 Hudson
McCoy, J. B. & Co. 7 Thompson
McLewee, F. & Son, 25 Waverly pl
Mitchell Vance Co. The, 836 Broadway, 72 E. 13th, & 503 W. 24th
Monds & Ryan, 55 W. 16th
N. Y. Gas Fixture Co. 20 Warren & 478 Pearl
Oxley, Giddings & Enos, 118 Walker & 224 Canal
Plaut, L & Co. 496 Cherry
Pries, W. H. 434 Canal
Schneider, Campbell & Co. 33 Union sq. W. & 527 W. 23d
Sheahan, C. F. 397 Ninth av
Titsink & Elsing, 157-163 W. 29th
Williams, John, 544-556 W. 27th (see add p. 36

GAS LIGHT COMPANIES.

American Light & Fuel Co. 59 Wall
Asbury Park Gas Co. 170 Broadway
Central, 350 Alexander av & ft. E. 138th
Chicago Gas Co. 48 Exchange pl
Commercial Gas Light & Fuel Co. 136 Liberty
Coney Island Gas Light Fuel Co. 59 Wall
Consolidated Gas Co. 4 Irving pl, 157 Hester, 358 Fourth av, 1547 Broadway, 2084 Third av, ft. E. 14th, 501 E. 21st, ft. E. 63d, ft. E. 111th, ft. W. 18th, ft. W. 42d & ft. W. 65th
Economic Light & Fuel Co. for N. J. 115 Broadway
Empire State Gas Improvement Co. 115 Broadway
Equitable, 340 Third av & 700 First av
Fishkill & Matteawan Gas Works, 10 Wall
Fuel, Gas, & Light Improvement Co. of Am. 32 Park pl
Hydro-Carbon Gas & Fuel Co. 38 Wall
Indianapolis Gas Co. 45 Broadway
International Gas Co. 17 William
Little Falls Gas Light Co. 30 Pine
Metropolitan Gas Light Co. of Elizabeth, N. J.
Michigan Gas Co. 54 Wall
N. Y. Economic Light & Fuel Co. 115 Broadway
N. Y. Mutual, 36 Union sq. E. & 823 E. 11th
N. Y. Welsbach Incandescent Gas Light Co. 37 W. 14th
N. Y. & N. J. Globe Gas Light Co. (Ltd.) 115 Broadway
Northern, 1845 Vanderbilt av, W.
Pintsch Compressing Co. 160 Broadway
Plainfield Gas & Electric Light Co. 15 Wall
Rochester Gas Co. 15 Wall
Sing Sing Gas Mfg. Co. 59 Wall
Spanish Am. Light & Power Co. (Cons.) 15 Wall
Standard, 173 Broadway, 128 E. 42d, ft. E. 32d, ft. E. 115th, & 19 W. 125th
Staten Island Light, Heat, & Power Co. 52 Broadway
U. S. Equitable, 45 Broadway
United Gas Improvement Co. 115 Broadway
U. S. Incandescent, 7 Nassau
Welsbach Incandescent, 37 W. 14th
Westchester Gas Light Co. 115 Broadway

GAS MACHINES.

American Gas Fuel Co. 15 Cortlandt
Avery Gas & Fuel Improvement Co. 7 Nassau
Beatty, Samuel A. 1486 Broadway
Bolton's, G. & J. R. Imp. Hot Water Heater, G. H. Raymond, manager, 114 Liberty (see add p. 69)
Connolly & Co. 111 Broadway
Denny Bros. Imperial Gas Machines, 36 Park pl
Detroit Heating & Lighting Co. 126 Liberty (see add p. 144 and back cover)
Empire State Gas Improvement Co. 115 Broadway
Gilbert & Barker Mfg Co. 90 John
Hanhorn & Co. 114 Liberty
Improved Light, Heat, Power & Mfg. Co. 102 Broadway
Manning, A. C. & Co. 18 Vesey (see add pp. 15 and 59)
National Gas Investment Co. 115 Broadway
National Meter Co. 287 Broadway
N. Y. & N. J. Globe Gaslight Co. 115 Broadway
Penn. Globe Gaslight Co. 115 Broadway
Phelps & Dingle, 45 Dey
Standard Gas Machine Co. 52 Broad
Tirrill Gas Machine Co. 39 Dey

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EQUALIZING GAS MACHINES,
Makes Standard, Uniform, White and Absolutely Smokeless Gas.
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39 DEY STREET, NEW YORK.
See Advertisement, page 58.

United Gas Improvement Co. 10 Wall

GAS OVENS.

Crane, W. M. & Co. 838 Broadway

GAS AND PETROLEUM ENGINES.

Bates & McIlhargy & Co. 47 Dey
Clark Gas Engine Co. 113 Chambers
Connolly Motor Co. 111 Broadway
Detroit Heating & Lighting Co. 126 Liberty (see add p. 144 and back cover)
Dougherty, Wm. J. 124 Bank
Goodwin Gas Stove & Meter, 113 Chambers
Kerby & McDougall, 48 Dey
Kortling Gas Engine Co. (Ltd.) 74 Cortlandt
Kruse & Weiss Motor Co. 124 E. 14th
Lawson Gas Engine, 205 Centre
Manning, A. C. & Co. 18 Vesey (see add pp. 15 and 59)
National Meter Co. 287 Broadway
Rollason Gas Engine, 15 Dey (see add p. 143)
Sayer & Co. 37 Dey
Schleicher, Schumm & Co. 18 Vesey
Stewart, John, 7 Thompson
Ticonderoga Machine Co. 126 Liberty
Welch & Lawson, 205 Centre
Wing, L. J. & Co. 126 Liberty (see add oppsite Second Ward)

GAS PIPE AND FITTINGS MFRS.

Burtis, Morse, 52 John
Colwell Lead Co. 63 Centre
Dame & Townsend, 76 John
Drummond, M. J. 192 Broadway
Eaton, Cole & Burnham Co. 82 Fulton
Fox, John, 160 Broadway
Jamer, Jacob, 84 John
Keating, Edward F. 75 John
McNab & Harlin Mfg. Co. 56 John
McShane, Henry, & Co. 625-627 Sixth av (see add p. 108)
Nason Mfg. Co. 71 Beekman
National Tube Works Co. 160 Broadway
Oil Well Supply Co. 32 Cortlandt
Pancoast & Rogers, 28 Platt
Simmons, John, 106-110 Centre
Stone, Fred. & Co. 62 Gold
Waefelaer, Louis, 54 Beekman
Walworth Mfg. Co. 54 Gold
Warren Foundry & Machine Co. 160 Broadway
Wells & Coutan Co Ltd. 78 John

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Am. Gas Saving Co. 53 W. 30th
Avery Gas & Fuel Improvement Co. 7 Nassau
Beatty, Samuel A. 1486 Broadway
Connelly Iron Sponge & Governor Co. 111 Broadway
Cox, Elmer E. 654 Third av
Empire State Gas Improvement Co. 115 Broadway
Gas Consumers' Assn. 30 W. 23d
Gas Saving Co. 171 Broadway
National Gas Improvement Co. 115 Broadway
Patterson Gas Governor Co. 553 W. 33d
Peoples' Gas Saving Assn. of N. Y. 52 Union sq. E.
Peoples' Gas Saving Co. of America, 24 State
Union National Gas Saving Co. 744 Broadway
United Gas Improvement Co. 10 Wall

GAS STOVES.

American Gas Saving Co. 53 W. 30th
American Meter Co. 512 W. 22d
Block, Israel, 275 Pearl
Bogart, Eugene E. 22 Union sq
Carrington & Co. 52 W. 22d
Central Oil Gas Stove Co. 406 Pearl
Century Gas Stove & Furnace Co. 280 Broadway
Conant, E. K. 9 W. 14th
Crane, Wm. M. & Co. 838 Broadway

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Detroit Heating & Lighting Co. 126 Liberty (see add p. 144)
Doty, A. J. & Co. 42 Duane
Dunn, John W. 25 E. 14th
Goodwin Gas Stove & Meter Co. 113 Chambers
Grinberg, P. J. & Co. 155 South
Hoffman, Julius H. 58 Warren
Houchin, Thos. W. 67 Park pl
Ketchum, Landon, 23 W. 125th
Marylaud Meter & Mfg. Co 838 Broadway
Meacham, William H. 39 Dey
N. Y. Gas Stove Co. 242 Sixth av
Redmayne, Chas. 39 Dey
Rich, Edwin S. 246 E. 118th
Sheldon Mfg. 1144 Broadway
Tubbs, George W. 25 E. 14th
Union Gas & Oil Stove Co. 395 and 406 Pearl and 12 New Bowery
Wolf & Barry, 105 W. Broadway

GAS STOVES, LAUNDRY.

Crane, W. M. & Co. 838 Broadway

GAS TUBING.

Boston Rubber Co. 100 Chambers
Cassidy & Son Mfg. Co. 133 W. 23d (see add p. 82)
Gutta Percha & Rubber Mfg. Co. e. Warren and Church
New York Belting & Packing Co. 15 Park row (see add p. front inside cover)
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add pp. 62, 63)
Waterbury Rubber Co. 49 Warren (see add p. 72)

GAS WATER HEATERS.

Crane, W. M. & Co. 838 Broadway

GAS AND WATER METER MFRS.

American Meter Co. 512 W. 22d
Freeman Water Meter Co. 104 Chambers
Goodwin Gas Stove & Meter Co. 113 Chambers
Griffin, J. J. & Co. 52 Dey
Hearne Imp. Gas Meter Co. 11 Pine
Maryland Meter & Mfg. Co. 766 Broadway
National Meter Co. 287 Broadway
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GAS WORKS, PORTABLE.

Austin, James, 16 Beaver
Denny Bros. 36 Park pl
Detroit Heating & Lighting Co. 126 Liberty (see add p. 144, also back cover)
Gilbert & Barker Mfg. Co. 90 John
Tirrill, O. 39 Dey (see add p. 58)
Welch & Lawson, 205 Centre

GATE VALVES,

Backus, Peter & Son, 133-135 W. 25th (see add p. 64)
Blessing, Geo. A. 290 Pearl (see add p. 110)
Carr, A. & W. S. Co. 138 Centre
Dame & Townsend Co. 76 John
Eaton, Cole & Burnham Co. 82 Fulton
Fairbanks Co. 311 Broadway
Ferrell Indicating Valve Mfg Co 112 Liberty
Galven Brass & Iron Works, 71 John
Isbell, Porter Co. 245 Broadway
Jenkins Bros. 71 John
Kennedy, Daniel, 52 Cliff
McLean, John, 296 Monroe
McShane, Henry, Mfg. Co. 625 627 Sixth av (see add p. 108)
Pancoast & Rogers, 28 Platt
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add pp. 62, 63)
Stone, Fred. & Co. 62 Gold
Walworth Mfg. Co. 54 Gold

GAUGES.

Asheroft Mfg. Co. 111 Liberty
Burtis, Morse, 52 John
Crosby Steam Gauge & Valve Co. 66 John
Edson, Jarvis B. 87 Liberty
Hoppe, Paul F. 34 Church
McNab & Harlin Mfg. Co. 56 John

McShane, Henry, Mfg. Co. 625-627 Sixth av (see add p. 108)
Prybil, P. 512-524 W. 41st
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add pp. 62, 63)
Schaffer & Budenberg, 83 John
Schmidt, Charles & Son, r. 41 Centre
Schmidt, G. & L. 216 Centre
Standard Theom. Co. 18 Cortlandt
Watson & Stillman, 206 E. 43d
Willing, Charles G. 88 John
Zaubitz, August, 48 Centre

GENERAL CONTRACTORS.

Alabama Terminal & Improvement Co. 45 Wall
Am. Constructing & Dredging Co. 45 Exchange pl
Am. Development Co. 15 Broad
Am. Permanent Way Co. 76 Broad
Andrews, W. D. & Bro. 233 Broadway
Atlas Iron Construction Co. Times bldg. 41 Park row
Baird, M. & J. 339 E. 63d
Barnes, Reon, 11 Pine
Barry, M. W. 137th and Fifth av
Bateman & Pollard, 143½ E. 23d
Beck, Louis D. 58 Cedar
Belden & Co. 52 Broadway
Benjamin, Chas. A. 44 Broadway
Blanchard, Geo. W. 29 Broadway
Bond & Co. 280 Broadway
Bouker Contracting Co. 110 Wall (see add p. 141)
Bouker, D. C. & Son, 114 Wall
Bouker Geo A. 114 Wall
Bowes & Combs, 433 E. 77th
Bowsky, Louis, 72 E. 89th
Bradley, Wm. 534 W. 48th
Brainard Bros. 24 State
Brewer, D. R & Co. 44 Broadway
Briggs, C. Robinson, 52 Broadway
Britton, Edward E. 1 Broadway
Brown, Isaac T. 115 Broadway
Brown, Jas. E. & Son, 569 Eagle av
Brown, Jas. M. & Co. 115 Broadway
Brown, Robert T. & Co. 5 Beekman
Brown & Fleming, 129 Broad
Brown, Howard & Co. 20 Nassau
Brown, Thomas & Co. 20 Nassau
Burbridge, Jas. E. 251 E. 85th
Bushnell, Nathan, 35 Broadway
Byers, Moses G. 21 W. 62d
Canavan, P. 522 W. 56th
Caporale, S. 170 Mulberry
Carman, Chas. B. 44 Broadway
Carr, Benj. L. 1209 Bergen av
Caulfield, Geo. 64 College pl
Central Construction Co. 61 William
Chesley, W. P. Central bldg. 143 Liberty
Christie & Lowe, 45 Broadway
Coffin, J. W. 50 Broadway
Cokefair, Chas. C. 44 Broadway
Continental Conduit Co. 155 Broadway
Continental Construction & Improvement Co. 120 Broadway
Contracting & Building Co. 15 Broad
Cornell Electrical Engineering Co. 45 B'dway
Corrigan & Hess, 606 First av
Corwith, Henry N. 143 Nassau
Craig, W. P. 95 Liberty
Crane, Eben B. 18 Broadway
Creger, H. P. 36 Pine
Cregin, C. A. & Bro. 44 Broadway
Crimmins, J. D. & T. E. 1043 Third av
Culver, Alston G. 426 Amsterdam av
Cumberland Gap Construction Co. 59 Wall
Cummings & Co. 21 W. 62d
Cunningham, R. A. & Co. 345 E 16th
Curran, J. & Co. So. Boulevard & 149th
Dacey, W. G. 2 Wall
Dailey, J. D. 596 Mott av
Danforth, Waldo, 44 Broadway
Dean & Westbrook, 32 Liberty
Dean, Wm. H. 39 Nassau
Dennen, Owen W. 165th & Amsterdam av
Dickinson, P. P. 7 Nassau
Doak & Beck, Kingsbridge rd & 166th
Drake & Stratton, Ltd. 71 Broadway
Dull, Daniel 780 Seventh av
Duncan, John, 531 E 134th
Durme & Armstrong, Kingsbridge rd & Jerome av
Eden, Edward, 194 Broadway
Eidlitz, Leopold, jr. 128 Broadway
Ellard, John, 1211 Fifth av
Equitable Electric Construction Co. 194 Front
Erdenbrecher, Ed. 584 E. 145th
Evans, Q. N. Construction Co. 41 Dey
Farley, John J. 212 E. 95th
Fay, Michael, 412 E. 103d
Fenn & Braxmar, 47 Cortlandt
Ferguson & Fairchild, 44 Broadway
Fitzgerald, Thomas, 506 E. 56th
Florida Construction Co. 10 Wall
Fogg & Seribner, 1441 Broadway
Fordyce & Himpler, 145 Broadway
Fulton Construction Co. 45 William
Gaffney, Richard, 1007 Tremont av
Gallagher, Chas E. 44 Broadway
Gamble, Jas. 68 Wall
Garry, Jos. 237 E. 40th
Gearty, Thos. 417 E. 65th
Georgi & O'Grady, 3227 Third av
Gerry, Alston & Co. 35 Wall
Gibson, John R. So. Boulevard & 149th
Gillies, John & Son, 31 Broadway
Gilling, Peter E. 155th and Elton av
Godeffrey, Adolph E. 45 Broadway
Goodwin, Mark, ft. E. 29th
Granitic Sidewalk and Vitrified Paving Block Co. 171 Broadway
Guidert, Chas. 237 Broadway
Hall, Jas. T. Mohawk bldg, 160 Fifth av c 21st
Hamilton, W. S. 63 Park row
Hanna, Robert, 152 W. 100th
Harris, T. Wm. & Co. 44 Broadway
Harris, Theo. S. 1 Broadway
Hayes, Jos. J. 17 Broadway
Hayward, J. A. 11 Pine
Henderson, M. 52 Broadway
Holmes Bros. 320 Broadway
Horgan & Slattery, 63 Park row
Hough, Chas. V. 233 E. 19th
How, Francis, 45 Broadway
Howell, Alex. J. 336 W. 19th
Hoyt Bros. 712 E. 145th
Hudson River Improvement Co 3 Union sq
Hudson, Robert, 218 E. 15th
Hunt, John, ft. E. 102d
Hydraulic Tube Well Construction Co. 145 Broadway

International Construction, Railway & Investors Co. 40 Wall
Irving & Schneider, 102 Chambers
Johnson, Frank R. 145 Broadway
Kampfner, Aug. 315 W. 64th
Kehoe, John, 520 E. 18th
Keim, Chas. 251 Stanton
Kelly, B. & Son, 187 West
Kelly, Thos. & Co. 1887 Vanderbilt av
Kelly, Wm. 609 W. 47th
Kiernan, Thos. 317 E. 103d
Klein, Louis, 315 E. 54th
Knox, John A. 3d av and 154th
Larkin, M. & Son, 519 E 16th
Larkin, P. & T. 612 E. 15th
Larney, Patrick, 325 E 38th
Leavy, James D. 24 State
Leadwith, Chas. 233 W. 29th
Leonard, Chas. T. 512 E. 42d
Leslie, Jas. S. 483 E. 152d
Levering & Garrigues, 63 Park row
Lewinsen & Just, 90 Nassau
Lewis-Mercer Construction Co. The, 38 Wall
Lockwood, J. C. 52 Broadway
Lutz, Alexander, 84 Nassau
McCracken, W. V. & Co. 40 Wall
McGee, John, 422 E. 105th
McGuire, Patrick, 112 Broad
McLaughlin, R. 630 E. 138th
McLaughlin, Jas. 140 W. 67th
McLean, Colin, 415 Broadway
McManus, John, 456 W. 49th
McManus, Chas. Sons, 21 Park row
McQuade, John, 1589 Third av
McQuade, Thos. P. 141st and Brook av
McTighe, Henry, 64 Broadway
McWilliams, John & Co. 39 Dey
Mahoney Bros. 52 New Bowery
Maloney, M. & Son, 512 E. 118th
Mass. & Southern Constr. Co. 45 Broadway
Mercer, Wm. S. & Co. 38 Wall
Mexican National Constr. Co. 20 Nassau
Miller, F. W. 145 Broadway
Moffit, Hodgkins & Clark, 34½ Pine
Monks, John & Son, 130 Water
Montgomery & Pearse, 722 E. 143d
Mooney, John H. 40 Wall
Moran & Low, Third av and 138th
Morton, W. H. 95 Liberty
Mulry, Jas. B. 23 Rutgers
Murdock, Harvey, 140 Nassau
Murphy & Carroll, 201 E. 23d
Murray, John, 1426 Amsterdam av
Murray, W. J. 385 Lexington av
Murray & Co. 652 E. 16th
National Electrical Mfg. and Construction Co. 50 Broadway
Neftee & Oothout, 58 Cedar
Norcross Bros. 81 E. 125th
North American Construction Co. 171 B'dway
Norton, Patrick, 417 E. 65th
O'Brien Bros. 49 South
O'Brien & Clark, 40 Wall
Pacific Construction Co. 45 William
Paige, David R. & Co. 45 Broadway
Paige, Carey & Co. 45 Broadway
Pearson, S. & Son, ft. Morton
Peterson, Chas. & Co. 247 W. 125th
Phipps, Abner A. 2 Wall
Phœnix Construction Co. 533 Seventh av
Piercy, H. C. & Z. T. 207 Thompson
Place, R. N. 44 Broadway
Pucci, Antonio C. 435 E. 113th
Purdy, John, 321 W. 26th
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See Advertisement, page 92.

Rapid Transit and Bridge Construction Co. 15 Broad
Reed & McKibben, 2 Wall
Reily, Hugh J. 31 Broadway
Reynolds & Quinn, 309 E. 80th
Rio Grand Western Construction Co. 32 Nassau
Ripley & Coffin, 50 Broadway
Rodgers & Clement, 45 Broadway
Rogers, Geo. W. 44 Broadway
Rose, Christopher, 613 Ninth av
Ryan, Michael, 308 W. 143d
Safety Electric Construction Co. 143 Elm
Salter, John T. 45 Broadway
Schreimer Bros. 500 E. 84th
Seattle & Eastern Construction Co. 80 Broadway
Sheridan & Byrne 145 E. 67th
Sheridan & Shea, 22 State
Simpson, J. E. & Co. 35 Broadway
Slattery, Jas. 218 W. 57th
Slattery, John, 368 Park av
Smith, Clarence L. 18 Broadway
Smith, Eugene M. 14 Dey
Smith, Francis H. 16 Exchange pl
Smith, Jere. T. prop. Menlo Park Ceramic Works, Metropolitan Life Ins. Co. bldg, 23d and Madison av (see add p. 131)
Smith, John G. 511 W. 57th
Smith, F. V. & Co. 520 E. 121st
Smith & Brown, 61 Broadway
Smith & Ripley, 61 Broadway
Snaith, John, 121 E. 23d
Sooysmith & Co. 2 Nassau
Spinnelli, Michael & Bro. 1612 Second av
Staats, R. P. & J. H. 29 Broadway (see add p. 133)
Stanton, Daniel W. 52 Broadway
Stanton, John C. 35 Broadway
Stapelton, T. & J. F. ft. E. 104th
Stephens, Clinton, 146 Broadway
Suffern, Edward L. 50 Broadway
Symington, Jas. 18 Exchange pl
Thilemann, F. jr. & Co. Westchester and Sintons avs
Thompson, Crawford & Co. 63 Park row
Tile Fire Proof Construction Co. Central bldg, 143 Liberty
Tissot & Schultz, 212 Church
Toher, Owen E. 188th and Cambreling av
Tucker & Hall, 63 Park row
Turner, Wm. 31 Broadway
Underground Railway Construction Co. 120 Broadway
Union Contract Co. 32 Nassau
Van Wagoneer & Linn, 47 Cortlandt and 124 Chambers
Vogel Cable Construction Co. 15 Broad
Wentworth, Elias, 44 Broadway
West India Improvement Co. 25 Pine

Westbrook, J. B. 22 William
West Brooklyn Water Co. 32 Liberty
Wharton, Wm. jr. & Co. 226 Third av
White, J. G. & Co, 29 Broadway
Whyte, W. C. 15 Cortlandt
Woltmann, Keith & Co. 11 Wall
Woodbridge & Turner, 41 Park row

GILDERS.

Ahsler & Staab, 145 E. 23d
Bayer, Lorenze, 122 W. 25th
Beck, Matthew & Son, 736 E. 9th
Becker & Co. 330 W. 36th
Beers Bros. 1264 Broadway
Bird, Frank & Son, 209 Columbus av
Blindernagel & Kaiser, 65 E. 9th
Brodersen & Brandies, 176 Wooster
Butener, Fred. 122 E. 11th
Dalton & Co. 1345 Broadway
Dewers, Geo. W. 133 Clinton pl
Dinan, Dennis, 826 Broadway
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Epstein & Oppenheimer, 1293 Broadway
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Gorman, Thos. 321 E. 24th
Hefner, Andrew, 106 Seventh av
Idell, Andrew, 72 W. 3d
Jeandheaur, Fred. jr. 6 Liberty pl
Kassell, Wm. H. 242 E. 45th
Kuhn, John G. 26 Spruce
Lamp & Rapp, 1557 Broadway
Lang, Henry, 159 E. 81st
Lange, Ernest, 825 Sixth av
Mass, William A, 468 Hudson
Meyer, Henry, 450 Sixth av
Mueller, Gustav, 132 W. 39th
Mueller, Rudolph, 97 Sixth av
Oehler & Lenning, 356 Pearl
Rose & Co. 335 Fourth av and 222 E. 24th
Rosenquest, Marcus, 92 Fulton
Scardesfeld, W. A. 314 W. 16th
Schauss, William, 204 Fifth av
Schill, William, 47 University pl
Short, Michael, 200 E. 44th
Spiegel & Rosenberg, 118 Pearl
Stephenson, Geo. W. 210 Grand
Strehan, Albert, 131 W. 31st
Tresal, Henry, 158 Wooster
Walcutt, John M. 142 Centre
Walker, John E. 113 Elm
Weiss, Aug. 6 City Hall pl

GLASS BENDERS.

Vanhorn, Griffin & Co. 131 Franklin

GLASS BEVELERS AND CUTTERS.

Ancelin, Albert, 94 S. Fifth av
Archer, Thomas, 206 E. 23d
Blum, Stern & Hahn, 175 Prince
Bonnabeau, Louis G. 65 Watts
Brandt Bros. 199 Wooster
Brown, William T. 137 Elm
Cavanagh, James, 83 S. Fifth av
Chase, Geo. H. 107th and First av
Devoe, Joshua D. 124 Baxter
Donnelly, J. R & Co. 54-60 Classon av. Bklyn
Doppler, P. & Co. 22 Pell

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Meyer, Peter P. 142 Wooster
Morris, Theodore W. & Co. Importers and Dealers, 438-444 Canal, 16 Vestry (see add p. 89)
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Smith, J. M. 91 Charles and 137 Franklin
Stein & Hahn, 178 Prince
Sutphen & Myer, 9-13 Desbrosses
Thaxter & Denig, 584 Hudson
Vogeley, Alexander, 82 S. Fifth av
Zahn, Jacob & Son, 478 Pearl

GLASS, CATHEDRAL.

Booth, Charles, 47 Lafayette pl
Colgate, Edward, 318 W. 13th
Decorative Stained Glass Co. 46 Washington sq (see add p. 88)
Fischer, Schroeter & Co. 105 W. 42d
Gibson, Wm. Sons, 142 E. 33d
Grout, Edward P. 66 Liberty (see add opposite First Ward)
Heinigke & Bowen, 33-35 E. 12th
Herter Bros. Fifth av and 20th
Lamb, J. & R. 59 Carmine
McMahon, Patrick F. 178 Wooster
Matthews Decorative Glass Co. 328 E. 26th
Mayer & Co. 20 Murray

Morris, Theodore W. & Co. Importers and Dealers, 438-444 Canal, 16 Vestry (see add p. 89)
Smith, David N. 1378 Broadway
Tiffany Glass Co. 333 Fourth av

GLASS, CHURCH.

Booth, Charles, 47 Lafayette pl
Colgate, Edward, 318 W. 13th
Decorative Stained Glass Co. 46 Washington sq (see add p. 88)
Fischer, Schroeter & Co. 105 W. 42d
Gibson's, Wm. Sons, 142 E. 33d
Grout, Edward P. 66 Liberty (see add opposite First Ward)
Heinigke & Bowen, 33-35 E. 12th
Lamb, J. & R. 59 Carmine
Matthews Decorative Glass Co. 328 E. 26th
Mayer & Co. 20 Murray
Morris, Theodore W. & Co. Importers and Dealers, 438-444 Canal, 16 Vestry (see add p. 89)
Smith, David N. 1378 Broadway
Tiffany Glass Co. 333 Fourth av

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Sutphen & Myer, 9-13 Desbrosses
Vanhorn, Griffin & Co. 131 Franklin

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Bendit, Drey & Co. 155-157 S. Fifth av
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Calm, Henry H. 24 Howard and 5 Crosby
Donnelly, J. R. & Co. 54-60 Classon av. Bklyn
Doppler, P. & Co. 20-22 Pell
Delachapelle, E. & Co. 29 Murray
D'Isoard, Guy, 26 Vestry
Dunbar & Daniels, 168 Elm
Fitzpatrick, J. & Co. 28 N. Moore
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Hutkoff, Nathan, 271 Broome
Macaulay, C. R. 39 W. Broadway
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PLATE AND SHEET GLASS.
See Advertisement, page 89.

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Noel & Sons, 451 W. 14th
Petit, Edouard, 401 Broadway
Reed Glass Co. 65 Warren and 48 College pl
Rubin, Jacob, 24 James
Schwartz, E. H 23 Ave A (see add p. 106)
Semmer, Phillip, Glass Co. Ltd. 12-14 Desbrosses
Sutphen & Myer, 11 Desbrosses

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Vanhorne, Griffin & Co. 131-137 Franklin
Whittemore Bros. 579 Broadway
Wiederer, P. & Bro. 521 Broadway

GLASS, LOOKING.

Arnstein, Albert & Co. 95 S. Fifth av
Avery, Penabert & Co. 63 S. Fifth av
Bache, Semon & Co. 443 Greenwich
Bendit, Drey & Co. 73-75 Wooster
Blaker, John L. 94 S. Fifth av
Blanck & Co. 16 Horatio

Borthers, Charles, 54 Allen
Caro, J. & Son, 196 Canal
Denison, W. B. & Co. 480 Broome
Devoe & Kurtz, 124 Baxter
Donnelly, J. R. & Co. 54-60 Classon av. Bklyn

J. R. DONNELLY & CO.,
MANUFACTURERS OF
Beveled Plates and Mirrors,
54, 56, 58 & 60 CLASSON AVENUE,
Near Flushing, BROOKLYN, N. Y.
Telephone Call, No. 58 W'msburg.

Doppler, P. & Co. 20-22 Pell
Doscher, William C. Mfg. Co. 404 E. 14th
Dunham, Thomas, 68 Murray
Durfee, Smith & Barber, 9 Bond
European Mirror Plate Co. 323 Broadway
Finkenstein, D. 413 Fourth av
Foote, Henry W. 158 S. Fifth av
German Looking Glass Co. 112 Wooster
Heroy & Marrenner, 120 S. Fifth av
Holbrook Bros. 85-89 Beekman
Hollander, Oscar & Bro. 11 Desbrosses
Kahn, Jacques, 29 Bleecker
King, G. S. & Co. 102 Chambers
Lewis, Isaac & Sons. 180 Worth
Levin, A. 1978 Second av
Linz, Menna, 206 Canal
Morris, Theodore W. & Co. 434-444 Canal and 14 Vestry (see add p. 89)
O'Brien, W. K. & Bro. 83 Third av
Poellmann, Daniel, 94 Warren
Popper, Leo & Sons, 55 Grand
Richardson & Co. 243 Canal
Richman, Louis L. 89 Bowery
Semmer, Phillip, Glass Co. Ltd. 12-14 Desbrosses
Souweine & Co. 212 Canal
Sutphen & Myer, 9-13 Desbrosses
Vanpraag, A. & Co. 18 Desbrosses
White, Frank W. 269 Canal
Whittemore Bros. 579 Broadway
Willard, John S. 137 W. 23d
Willard, Leonard W. 137 W. 23d
Willard Mirror and Frame Mfg. Co. 257 Canal
Willard & Woodworth, 137 W. 23d
Wolfensohn, Isaac, 17 Allen

GLASS, LOOKING, IMPORTERS AND MFRS.

Bache, Semon & Co. 443 Greenwich
Bendit, Drey & Co. 155-157 S. Fifth av
Heroy & Marrenner, 126 S. Fifth av
Holbrook Bros. 85 Beekman
Morris, Theodore W. & Co. 434-444 Canal and 14 Vestry (see add p. 89)
Schwartz, E. H. 23 Ave. A (see add p. 106)
Semmer, Phillip, Glass Co. Ltd. 12-14 Desbrosses

GLASS MFRS.

Adams, Henry, jr. 53 Front
Adams & Co. 48 Murray
Allen, Henry, 138 William
Alpha Glass and Metal Co. 57 Broadway
Atterbury & Co. 63 Murray
Bellaire Goblet Co. 60 Barclay
Bergen, J. D. Co 42 Murray
Brandt Bros. 199 Wooster
Brookfield, William, 83 Fulton
Bryant, William H. 72 Murray
Buckeye Glass Co. 58 Barclay
Budde & Westermann, 50 Vesey
Burrell, Edward U. 117 Warren
Carr-Lowrey Glass Co. 35 Warren
Central Glass Co. 4 College pl
Challinor, Taylor & Co. Ltd. 7 Barclay
Clark, T. B. & Co. 53 Park pl
Codd, Hiram & Co. 16 Murray and 19 Park pl
Columbia Glass Co. 48 Murray
Crystal Plate Glass Co. 102 Chambers
Cumberland Glass Co. 16 Murray
Davenport, Wm. E. 63 Murray
Deike, D. F. & Son, 602 W. 52d
De La Chappelle, E. & Cie. 29 Murray
Deyo, Marvin E. 59 Murray
Dobbs, John H. 60 Barclay
Dorflinger, William F. 36 Murray
Dorflinger, C. & Sons, 36 Murray
Duncan, H. B. 96 Church
Ellenville Glass Co. 44 Murray
Felker, Henry M. 39 Barclay
Foote, W. H. 158 S. Fifth av
Gibney, John R. 51 Murray
Gillinder & Sons, 50 Barclay
Goble, Henry M. 73 Murray
Goldsticker, L. & M. 182 Fulton
Gordon, John E. 39 Barclay
Greenberg Glass Co. 58 Barclay
Hagerty Bros. & Co. 10 Platt
Hahn, Thomas J. 65 Murray
Hastings & Hahn, 72 Murray
Hawley Glass Co. 36 Murray
Heuman, Leopold & Sons, 406 E. 77th
Hoare, J. & Co. 52 Park pl
Hogan, Evans & Co. 24 Park pl
Jones, Calvert & Co. 48 Murray
King Glass Co. 58 Barclay
Lazarus & Rosenfeld, 60 Murray
Lum, William H. 46 Murray and 13 Vandewater
Lyon, John L. 29 Murray
Maccabe, James F. 16 Murray
Marshall, Daniel R. 24 Park pl
Menzies, Alex. G. 96 Church
Mississippi Glass Co. 102 Chambers
Mt. Washington Glass Co. 46 Murray
Murphy, William T. & Co. 72 Murray
O'Hara Glass Co. Ltd. 16 Murray and 19 Park pl
Peerless Lead Glass Works, 39 Barclay
Phœnix Glass Co. 729 Brodway
Ravenswood Art Glass Works, 43 Barclay
Richards & Hartley Glass Co. 24 Park pl
Rochester Tumbler Co. 39 Barclay
Rorke, Edward & Co. 40 Barclay
Scranton Glass Co. 59 Murray
Semmer, Phillip, Glass Co. Ltd. 12-14 Desbrosses

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Smith, Bros. 43 Murray
Stutts, Conrad C. 12 College pl
Sutphen & Myer, 11 Desbrosses, 36 Vestry
Union Glass Co. 18 College pl
U. S. Glass Co. 29 Murray, 33 Warren
Valley Glass Co. 55 Park pl
Vanhouten, Erskine J. S. 18 College pl
Wapler, Nicholas, 22 Warren
Warren Glass Works, 144 Chambers
Whitehouse, William, 209 Hudson
Whiteman, Abram V. 144 Chambers
Whitemann, Louis P. 144 Chambers
Whitney Glass Works, 35 Murray
Williamsburg Flint and Glass Co. 18 College pl
Wills, Walter B. 35 Murray

GLASS, MOSAIC.

Decorative Stained Glass Co. 46 Washington sq S. (see add p. 88)
Gibson's, Wm. Sons, 142 E. 33d
Grout, Edward P. 66 Liberty (see add opposite First Ward
Heinigke & Bowen, 33-35 E. 12th
Lamb, J. & R. 59 Carmine
Matthews Decorative Glass Co. 328 E. 26th
Tiffany Glass Co. 333 Fourth av

GLASS, ORNAMENTAL.

Dale Tile Mfg. Co. Ltd. 398 Broome (see add p. 49)
Decorative Stained Glass Co. 46 Washington sq S. (see add p. 88)
Donnelly, J. R. & Co. 54-60 Classon av. Bklyn
Grout, Edward P. 66 Liberty (see add opposite First Ward)
Heinigke & Bowen, 33-35 E. 12th
Lamb, J. & R. 59 Carmine
The H. S. Smith Co. 62 Tenth av
Tiffany Glass Co. 333 Fouth av

GLASS STAINERS AND ENAMELERS.

Adams, Samuel M. 658 Broadway
Armstrong, M. & Co. 61 Washington sq. S.
Baker, James & Sons, 36 Clinton pl
Baldwin, Isaac E. 47 University pl
Belcher Mosaic Glass Co. 123 Fifth av
Bolle, Charles C. 206 W. 26th
Booth, Charles, 47 Lafayette pl
Borel, Louis, 1114 Park av
Bouche, Henry L. 874 Broadway (see add p. 93)
Colegate, Edward, 318 W. 13th
Crothers, Walter H 210 E. 38th
Crowninshield, Frederick, 42 W. 18th
Decaranza, Amedee H. 446 Canal
Decorative Stained Glass Co. 46 Washington sq S.

THE DECORATIVE STAINED GLASS CO.
Makers of
ECCLESIASTICAL & DOMESTIC
STAINED GLASS.
46 Washington Square, South, New York.
Glass Mosaic, Memorial Windows. Special Attention Given to Architects' and Artists' Commissions.
See Advertisement, page 88.

Dougherty, James, 94 S. Fifth av
Fischer, Schroeter & Co. 105 W. 42d
Foote, Henry W. 158 S. Fifth av
Gibson's, William, Sons, 142 E. 33d
Grout, Edward P. 66 Liberty (see add opposite First Ward)
Guillaume, Quirin, 36 W. 3d
Hartwell, H. E. Glass Works, 22 E. 27th
Heinigke & Bowen, 33 E. 12th

Heinigke & Bowen
Stained Glass Makers . .
Otto Heinigke Glass Mosaic . . . . .
Owen Bowen Wrought Glass . . . . .
Nos. 33 & 35 E. 12th St., N. Y.

Kampe, H. 7 Gt. Jones
King, Gilbert S. 102 Chambers
Koechig, Julius C. 1424 Broadway
Lafarge, John, 51 W. 10th
Lamb, J. & R. 59 Carmine
Lawson Bros. 160 W. Broadway
Lumpert, Mary, 102 E. 12th
McMahon, P. F. 168 Wooster
Maginn & Davis, 47 University pl
Matthews Decorative Glass Co. 328-330 E. 26th
Mayer & Co. 124 W. 23d
Merlie, Ferdinand, 114 Bleecker
Miles, Jas. 103 Fourth av
Millard & Avery, 1267 Broadway
Molic, Frank, 218 Sixth
Morgan, T. & J. 53 Bleecker
Petrie, Mary, 79 E. 13th
Pick, Louis, 404 E. 5th
Rafalsky Bros. 311 W. 40th
Ross, Henry H. 56 Pine
Smith, David N. 1378 Broadway
Smith, J. M. 91 Charles
Sutphin & Myer, 9-13 Desbrosses
The Falck Art Glass Works, 34 E. Houston
Tiffany Glass Co. 333 Fourth av
U. S. Stained Glass Co. 152 Wooster
Walker, A. 2044 Second av

GLASS, SKYLIGHT.

Dale Tile Mfg. Co. (Ltd.) 398 Broome (see add p. 49)
Morris, Theodore W. & Co. 434-444 Canal & 14 Vestry (see add p. 89)
Semmer, Phillip, Glass Co. (Ltd.) 12-14 Desbrosses

GLASS TILES.

Morris, Theodore W. & Co. 434-444 Canal & 14 Vestry (see add p. 89)
Tiffany Glass Co. 333 Fourth av

GLASS, WINDOW.

Abrahams, Barnett, 2027 Third av
Am. Plate & Window Glass Co. 158 S. Fifth av
Aronson, Harris, 133 Eighth av
Avery, Penabert & Co. 63 S. Fifth av
Baehe, Semon & Co. 443 Greenwich

Bartelstone & Edelman, 15 New Bowery
Cowen, N. & Son, 207 Canal
Davis, Michael, 2036 Second av
Davis, Morris, 1620 Third av
Dimant, Isaac, 417 E. 14th
Doppler, P. & Co. 20-22 Pell
Dougherty, Elliot & Morison, 83 Wooster
Dunham, Thos. C. 68 Murray
Feinberg, Sussman, 417 W. 42d
Fine, Isaac, 102 Maiden la
Finkenstein, Davis. 413 Fourth av
Fitzpatrick, J. & Co. 28-30 N. Moore
Foote, H. W. 158 S. Fifth av
Glassheim, Morris, 322 Ninth av
Glassmann, Albert, 63 E. 125th
Goldman, B. 98 Division
Goldman, Esther, 2174 Third av
Goldman, Frank, 1322 Third av & 210 E. 86th
Goldman, M. 1016 Park av
Goldstein, Abraham, 27 John
Goldstein, Harris E. 653 Second av
Goldstein, Henrietta. 227 W. 31st
Grant, Robert. 753 Sixth av
Green, William, 161 W. 27th
Greenfield, Chas. 105 Maiden Lane
Grossman, Fischer, 60 W. Broadway
Haft, Isaac, 414 W. 42d
Haft, Jacob S. 230 E. 125th

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Haft, Nathan, 39 Maiden Lane
Harris, Levy, 89 Liberty
Heroy & Marrenner, 126 S. Fifth av
Holbrook Bros. 85-89 Beekman & 53-55 Cliff
Hutkoff, Nathan, 271 Broome
Jacobs, Solomon, 218 Canal & 9 Monroe
Josephs, Isaac. 66 Cherry
Kempenski, David. 318 E. 59th
Knopf, Nathan, 210 E. 121st
Kohen, Wolf, 529 Sixth av
Kommel, Mendel B. 438 Sixth
Kommel, Samuel, 35 Canal
Levin, A. 1978 Second av
Mahler, Michael, 865 Sixth av
Mentz, Joseph, 269 Division
Miles, James, 103 Fourth av
Morris, Theodore W. & Co 434-444 Canal & 14 Vestry (see add p. 89)
Moses, Morris, 250 Third av
Newman, William J. 242 W. 27th
Poellmann, D. 20-22 Pell
Pokorny, Frank, 439 E. 74th
Rechenberg, William H. E. 10 Desbrosses
Reed Glass Co. 65 Warren & 48 College pl
Roberts, David H. 159 S. Fifth av
Rothholz, Markus, 1589 Third av

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French, German & American
WINDOW AND PICTURE GLASS,
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Looking Glass and Picture Frames made to Order. The Trade Supplied with Glass at the Lowest Prices. Estimates Furnished for Plate Glass Fronts. Glazing done to Order

Rubenstein, Bernard, 95 Forsyth
Rubin, Jacob, 24 James
Schwartz, E. H. 32 Av. A (see add p. 106)
Semmer, Phillip, Glass Co. (Ltd.) 12-14 Desbrosses
Schroeder, Rudolph, 13 William
Sheld, Max, 2328 Second av
Spitz & Henschel, 172 Seventh av
Sutphen & Myer, 9-13 Desbrosses
Swartz, H. 197 Amsterdam av
The H. C. Smith Co. 62 Tenth av (see add p. 142)
Tobias Bros. 89 Eighth av
Vanhorne, Griffen & Co. 131 Franklin
Walker, E. 2044 Second av
Wood, David Elmer, 587 Greenwich

GLUE DEALERS.

Acme Glue Co. 284 Pearl
Behr, Herman & Co. 75 Beekman
Butler Hardware Co. 18 Warren
Dewey, H. A. 23 Cedar
Duche. T. M & Sons, 101 Water
Dunn, Thomas W. 47 Beekman
Griffen, George H. 196 William
Herzfelder, Bernhard, 15 Crosby
Hewitt, C. B. & Bros. 48 Beekman
Improved Process Glue Co. The, 95 Chambers
Isaacs, S. & Co 299 Pearl
Johnston, James P. 91 West
Jordan, Henry, r 171 Spring
Leibundgut, E. & Co. 17 Old sl
Magnus, S. & Co. 275 Pearl
Milligan & Higgins Glue Co. 222 Front
Nathan & Wight, 129 W. Broadway
Oettinger, Bernhard J. 298 Pearl
Putnam, Thomas L. & Son, 194 Front
Salomon, L. A. & Bro. 216 Pearl
Sander, Alfred, 5 Beekman
Schwartz, E. H. 23 Av. A (see add p. 106)
Sondheim, Alsberg & Co. 54 Maiden la
Waddell, R. J. & Co. 52 Beekman

GLUE MANUFACTURERS.

Armour Glue Works, 182 Duane
Baeder, William A. Glue Co. 283 Pearl
Baeder, Adamson & Co. 67 & 68 Beekman
Carteret Chemical Co. 115 Broadway
Cooper's, Peter, Glue Factory, 13 Burling sl
Deike, D. F. & Son, 602 W. 52d
Delaney & Co. 306 Pearl
King, D. Webster, Glue Co. 280 Pearl
Lipmann & Co. 83 Leonard
Lister's Agricultural Chemical Works, 159 Front
Milligan & Higgins Glue Co. 222 Front
Oettinger, B. J. 298 Pearl
Russia Cement Co. 95 Reade
Standard Glue Co. 15 Crosby
Toch, J. L. & J. 85 Pearl
Townsend, Charles, 276 Pearl
Upton, George, 276 Pearl
Voile & Worthy, 151 Crosby

GRAINERS.

Armstrong, William H. 405 W. 30th
Auffermann & Co. 211 E. 42d
Bachman Bros. 102 Cedar
Braumback & Farley, 335 E. 10th
Britting, John H. 451 Hudson
Darmstatter, George C. 166 E. 4th
Duggan, M. J. 793 Second av
Jorgensen, N. D. W. 469 Seventh av
Johnson, R. & Co. r. 123 W. 49th
Lennon & Sons, 92 Roosevelt
Linch & Young, 1762 Second av
Maeder, F. J. 2352 Second av
Meier, Chas. 1661 First av
Melcer, M. 46 Av. C
Miller, H. 1890 Second av
Randall, Geo. 109 Columbia
Rudloff, John, 601 W. 52d
Schwarz, H. 197 Amsterdam av
Taylor, John D. 2018 Seventh av
Taylor, T. Lanning, 703 Sixth av

GRANITE MONUMENT WORKERS AND DEALERS.

Adler, Samuel, 213 E. 49th
Bailey, G. L. 38 Park row
Booth Bros. & Hurricane Isle Granite Co. 60 Bank
Browne, McAllister & Co. 435 W. 14th

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See Advertisement, page 126.

Canfield, Chas. W. 1321 Broadway
Casey, Thomas W. Croton Granite Works, Quarries & Works, Croton, Conn.; New York office, S. Clinton Sherwood, 10 W. 23d
Cassidy, B. W. 635 W. 50th
Caterson, Edward, Woodlawn
Caterson, Robert, Woodlawn
Catherwood, Robt. B. 40 Broadway
Clark, W. C. Woodlawn
Conn. River Granite Co. 129 Broad
Diegan, John G. 6 Grand Circle
Draddy, M. J. 227 Stewart bldg
Dolan, Jas. F. First av and 101st
Doyle, George, 43 Broadway
Falconi & Co. Tremont
Felix, P. W. 925 Sixth av
Fisher, Robt. C. & Co. 97 E. Houston

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Successors to Fisher & Bird,
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97, 99, 101 & 103 East Houston Street.
(Established 1830.) NEW YORK.
Artistic Chimney Pieces. Counters, Floor Tiling, Fonts, etc., and Monumental Work of Every Description. Importers of Foreign Marbles and Granites.

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French, H. Q. 50 Broadway
Garity Bros. 18 W. 14th
Gouldbury, R. & Co. 318 E. 23d
Guidet, Chas. 237 Broadway
Hanna, John, 6 E. 42d
Hoffman & Prochazka, 15 E. 12th
Howser, Horace, 84 Eleventh av
Hummel, Jas. H. 153 Fulton
Klaber, Adolph, 238 E. 57th
Knowles Bros. 57 Lafayette pl
Kubin, Jos. jr. Elton av and 154th
Lake Champlain Granite Co. 15 Maiden la
Lazzari & Barton, Woodlawn
Logan, Robt. 99 Nassau
Macray & Bro. 558 W. 43d
McGrath & Kidney, East End av and 81st
McKennan, J. 133 W. 62d
Mower, E. & Co. 82 Nassau
Nelson, W. H. 126 Liberty
New England Granite Works 44-46 Broadway
New England Monument Co. 1321 Broadway
Orr Bros. Av. A and 62d
Passaic Quarry Co. 19 Park pl (see add pp. 201, 252, 269)
Petersburg Granite Quarry Co. 38 Wall
Pirrson & Renwick, 19 Park pl
Power, Maurice J. Office, 237 Broadway; Works, 218 E. 25th
Randall, Andrew, 53 Broadway
Randall, J. L. 53 Broadway
Rehfeld, Jacob, 245 Broome
Richmond Granite Co. 141 Nassau
Roberts, W. J. 45 Broadway
Robinson, Wm. 1146 Broadway
St. John, M. A. 265 Broadway
Setz & Bianchi, Woodlawn
Sonius, P. C. & Co. 63 W. 44th
Standard Granite and Marble Co. 137 B'dway
Tayntor, C. E. & Co. 239 Broadway
Totoket Granite Co. World bldg
Townsend, Wm. Co. 520 W. 20th
Union Granite Co. 168 Pearl
Voorhis, Jacob, 403 E. 42d
Walling, J. H. 154 Nassau
Wanck, Thos. 596 Grand
Westerley Granite Co. 10 W. 23d
Wetzler, Adolph, 127 Sheriff
White Granite Co. 547 W. 14th
Wills & Dyer, 92 First av
Woodward, Chas. F. 247 Broadway

GRANITE PAVING BLOCKS

Booth Bros. & Hurricane Isle Granite Co. 60 Bank (see add p. 124)
Brown & McAllister, 435 W. 14th (see add p. 126)
Granitic Sidewalk and Vitrified Paving Block Co. 171 Broadway
Mt. Desert Paving Co. Times bldg
New York & Maine Granite Paving Block Co. 5 Beekman
Norman & O'Brien, 23 South
North American Pyrogranite Co. 52 W. 15th
O'Brien Bros. 49 South
Pierce, John, 5 Beekman
Smith, Francis H. 16 Exchange pl

GRANITE PRODUCERS.

Binswanger, Hyman P. 140 Nassau
Booth Bros. & Hurricane Isle Granite Co. 60 Bank (see add p. 124)
Brown & McAllister, 431 W. 14th (see add p. 126)
Casey, Thomas W. Croton Granite Works, Croton, Conn.; New York office, S. Clinton Sherwood, 10 W. 23d
Clarks Island Granite Works, 265 Broadway
Crown Hill Granite Co. 74 Cortlandt
Hummel, Jas. H. 153 Fulton
New England Granite Works, 44-46 Broadway
Petersburg Granite & Quarrying Co. 38 Wall
Syracuse Granite Co. 2 Stone
Tayntor, C. E. 239 Broadway
The Totoket Granite Co. World bldg

GRANITE WORKERS AND DEALERS.

Bailey, Geo. L. 38 Park row
Batterson, See & Eisele, 425-433 Eleventh av
Booth Bros. & Hurricane Isle Granite Co. 60 Bank (see add p. 124)
Brown & McAllister, 431 W. 14th (see add p. 126)
Casey, Thomas W. Croton Granite Works, Croton, Conn.; New York office, S. Clinton Sherwood, 10 W. 23d
Catherwood, Robt. B. 40 Broadway
Conn. River Granite Co. 129 Broad
Davidson Sons Marble Co. Eleventh av and 27th (see add p. 123)
Dolan, Jas. F. First av and 103d
Doyle, Geo. 43 Broadway
Fisher, Robt. C. & Co. 97 E. Houston
Francis & Albertson, 67 W. 23d
Frank, Simon L. 38 Park row
French, H. Q. 50 Broadway
Guidet, Chas. 237 Broadway
Hanna, John, 6 E. 42d
Howser, Horace, 84 Eleventh av
Hudson & Chester Granite Co. 5 Beekman

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Chester, Mass.

Hummel, Jas. H. 153 Fulton
Lake Champlain Granite Co. 15 Maiden la
Logan, Robert, 99 Nassau
McGrath & Kidney, East End av and 81st
Macray & Bro. 558 W. 43d

MACRAY & BRO.,
GRANITE WORKS,
No. 558 & 560 West 43d Street,
Bet 10th and 11th Avenues, NEW YORK.
All Kinds of Building, Monumental and Cemetery Work.
See Advertisement, page 126.

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Nelson, W. H. 126 Liberty
New England Granite Works, 44-46 B'dway
N. Y. & Berkshire Marble Co. 96 Broadway
N. Y. & Maine Granite Paving Block Co. 5 Beekman
Orr Bros. Av. A and 62d
Passaic Quarry Co. 19 Park pl (see add pp. 201, 252, 269)
Pearson & Renwick, 19 Park pl
Petersburgh Granite Quarrying Co. 38 Wall
Pierce, John, 5 Beekman
Randall, Andrew, 53 Broadway
Randall, John L. 53 Broadway
Richmond Granite Co. 140 Nassau
Roberts, Walter J. 45 Broadway
St. John, M. A. 265 Broadway
Tayntor, C. E. & Co. 239 Broadway
Totoket Granite Co. World bldg
Townsend, W. C. 520 W. 20th
Union Granite Co. 168 Pearl
Volkening & Co. 228-238 E. 44th
Voorhis, Jacob, 403 E. 42d
Walling, Jas. H. 154 Nassau
Westerley Granite Co. Ltd. 10 W. 23d
White Granite Co. 547 W. 14th

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The WHITE GRANITE CO.,
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Manufacturers of and Dealers in all Kinds of
GRANITE,
Main Office, 547 West 14th Street, New York,
Telephone, 444 18th St.
See Advertisement, page 125.

Wills & Dyer, E. 92d and First av
Woodward, Chas. F. 247 Broadway

GRANOLITHIC.

Taylor, Matt. Paving Co. 15 State

MATT. TAYLOR PAVING CO.
15 STATE STREET, NEW YORK.
Importers of Crude and Refined
Trinidad Asphalt. Star Roofing.
GRANOLITHIC.
See Advertisement, page 134.

GRATE BARS.

Adams, Hawley, ft. E. 26th
Ætna Grate Bar Co. 110 Liberty
Argand Grate Bar Co. 110 Liberty
Ashcroft John, Patent Grate Bar and Furnace Door Mfg. Co. The, 73 Gold
Ayres, Abraham, 506 W. 45th
Benedict, Julius, 548 W. 55th
Blake & Williams, 197 Wooster (see add p. 65)
Boltons, G. & J. R. Imp. Hot Water Heater, Geo. H. Raymond, Mgr. 114 Liberty (see add p. 69)
Cheney, George W. & Son, 447 E. 136th
Clarke, George H. 110 Liberty

Corwin, Mortimer M. 258 Water
Deeley, Robert & Co. 507 W. 32d
Fox, Benjamin, 513-517 W. 34th
Hine & Robertson, 45 Cortlandt
Kirkwood Grate Bar Co. 189 Mercer
Mahony, James & Son, 245 Broadway
National Iron Works, 18 Cortlandt
Pollack, Alexander, 15 Cortlandt
Reilly Grate Bar Co. 110 Liberty
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add pp. 62, 63)
Rogers Grate Bar Works, 110 Liberty
Salamander Grate Bar Co. 110 Liberty
Salem Foundry and Machine Shop, 41 Dey (see add p. 17)
Thompson & Bushnell, 120 Liberty
Tupper, W. W. & Co. 206 West
U. S. Grate Bar Co. 74 Cortlandt
U. S. Rocking Grate Co. 395 Canal
Vulcan Mfg. Co. 47 Dey

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Bayer & Scherbner, 449-455 W. 41st

BAYER & SCHERBNER,

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Boote, Alfred, 1567 Broadway
Bradley & Currier Co. Ltd. 308 Hudson
Brooklyn State Mantel Co. 803 Monroe, Bklyn. New York office and salesrooms, 1114 Park av (see add p. 81)
Collins & Nuttall, 418-420 W. 27th
Conover, J. S. & Co. 28 W. 23d (see add p. 85)
Corwin, Mortimer M. 258 Water
Davis, Reed & Alexander, 18 E. 15th
Graff, Frank H. 322-324 Seventh av
Grant, William D. 1456 Broadway
Hall & Garrison, 32 Warren
Hecla Architectural Bronze and Iron Works, Poulson & Eger, Pulitzer bldg, show rooms, 48-51 (see add p. 28)
Houden & Fish, Chelsea Hotel bldg, 216-218 W. 23d (see add p. 77)
Jackson, Edwin A. & Bro. 50 Beekman
Jackson, William H. Co. 29 E. 17th, Union sq (see add p. 84)
Jackson, W. Sons, 246 Front
Janes & Kirtland, 232 Water
Jenkins Co. 247 Canal
Kilian Bros. 157-159 W. 32d

KILIAN BROTHERS,

MANUFACTURERS OF

Wood Mantels and Architectural Wood Work,

Designs and Estimates Furnished.

OFFICE AND FACTORY;
Nos. 151, 153, 155, 157 and 159 West 32d St., New York.

Kirtland, Andrews & Co. Ltd. 48 Union sq

KIRTLAND, ANDREWS & CO.,
(LIMITED).

Wood Mantels, Architectural Wood Work, Tiling, Brass Work, Slate Work, Open Fire Places.

46 and 48 Union Square,
4th Ave. and 17th St., NEW YORK.

Lieberman, Schultz & Benasarf, 315 E. 22d
Manhattan Brass Co. 338 E. 28th
Maryland Meter Mfg. Co. 838 Broadway
Mersereau, W. T. Co. 39 Union sq
Mott, J. L. Iron Works, 88 Beekman
New York Tile and Grate Works, 115 Broadway
Nichols, A. S. & Co. 111 E. 128th, 108 E. 129th
Parry, Henry, 35 E. 19th
Penrhyn, The, Slate Co. 101 E. 17th (see add p. 80)
Pries, W. H. 434 Canal
Richardson & Morgan Co. 92 Beekman
Rummler, Herman B. 369 W. 11th
Schwartz, L. & Co. 21 E. 15th
Serven, & Irwin, 1479 Broadway and 615 Seventh av
Sheridan, J. W. & Co. 317 E. 93d
Standard Mantel and Slate Works, 313-315 W 125th
Traitel Bros. 499 Fifth av (see add p. 82)
Walsh, John, 387 Third av and 204 E. 28th
Wilson, Jas. G. 74 W. 23d (see add pp. 82, 88)

GREEN-HOUSE BUILDERS.

Hitchings & Co. 233 Mercer
Paradigin Iron Works, 219 E. 51st
Plenty, Jos. 145 Liberty
Rendle Co. The, Ltd. 30 Broad
Weathered's, T. W. Sons, 244 Canal (see add p. 65)

GREEN-HOUSE HEATING.

Boltons, G. & J. R. Imp. Hot Water Heater, Geo. H. Raymond, manager, 114 Liberty (see add p. 69)
Denny Bros. 36 Park pl
Hitchings & Co. 233 Mercer
Rendle Co. The, Ltd. 30 Broad
Weathered's, T. W. Sons, 244 Canal

THE WEATHERED HOT WATER HEATER,
Manufactured by
THOS. W. WEATHERED'S SONS,
244 Canal Street, N. Y.

Contractors for Heating Dwellings, Greenhouses, Churches, Public Buildings, &c. By Hot Water Circulation Only. Over 6,000 in Use. Established 1859.

See Advertisement, page 65.

GRILLE WORK.

Carrere & Haas, Lincoln bldg, 1-3 Union sq cor. 14th
Empire Metal Working Co 76 Fifth av

Hecla Architectural Bronze & Iron Works, Poulsen & Eger, Pulitzer bldg, show rooms, 48-51 (see add p. 28)
Howard & Morse, 45 Fulton (see add p. 5)
Jackson Architectural Iron Works, Office, 315 E. 28th (see add p. 31)
Pitt, Wm. R. Composite Iron Works, 83 Reade
Westervelt, A. B & W. T. 102 Chambers (see add p. 203)
Williams, Jno. 544-556 W. 27th (see add p. 36)

GRINDSTONES.

Cleveland Stone Co. 283 Front

The CLEVELAND STONE COMPANY,
(Successors to WALTER R. WOOD),
Manufacturers of
GRINDSTONES
FOR ALL PURPOSES.
A Large Stock Always on Hand. Satisfaction Guaranteed.
283 & 285 Front Street, New York.

Hahn, Philip, 170 Centre
Howard Foundry and Machine Works, 114 Liberty (see add p. 19)
McCroden, John & Co. 33 West and 58 Washington
Randolph, James F. 30 Washington
Sherman, T. 2289 Second av

GUARDS, WINDOW.

Central Expanded Metal Co. J. K. Combs, Manager, 67 Reade (see add p. 114)
Dale Tile Mfg. Co. Ltd. 398 Broome (see add p. 49)
DeWitt Wire Cloth Co. 32 Reade (see add p. 26)
Empire Metal Working Co. 76 Fifth av
Estey, W. S. 65 Fulton (see add p. 24)
Howard & Morse, 45 Fulton (see add p. 5)
Muhl, J. & Son, 329 E. 33d (see add p. 50)
The Prince & Kinkel Iron Works, 729-731 First av (see add p. 51)

GUARDS, WIRE.

Bataille, Achille, 122 Broadway (see add p, 23)
DeWitt Wire Cloth Co. 32 Reade (see add p. 26)
Empire Metal Working Co. 76 Fifth av
Estey, W. S. 65 Fulton (see add p. 24)
Howard & Morse, 45 Fulton (see add p. 5)
McMurray, R. T. & Bro. 143 Centre (see add p. 25)
The Prince & Kinkel Iron Works, 729-731 First av (see add p. 51)

GUTTA PERCHA GOODS MFRS.

Bishop Gutta Percha Co. 420-426 E. 25th
Mineralized Rubber Co. 18 Cliff
Soltan, Robert, 15 Cedar
Taft Bros. 5 Gold

HANGERS FOR DOORS, MFRS.

Berry, H. A. 39 Dey
Butler Hardware Co. 18 Warren
Maynard, John Q. 114 Liberty (see add p. 20)
Ripley, D. 60 Laight
Tiebout, W. & J. 16 Chambers

HARDWARE AND CUTLERY, WHOLESALE.

Alford & Berkele Co. 77 Chambers
Baker & Hamilton, 88 Wall
Belcher, W. H. 92 Chambers
Bogardus, Ellaby & Ellsworth, 167 Chambers
Boker, Hermann & Co. 101 Duane
Boynton Saw & File Co. 62 Reade
Brombacher, A. F. & Co. 31 Fulton
Burger & Baumgard, 105 Chambers & 89 Reade
Burkushan, W. C. 143 Chambers
Butcher, W. & S. 135 Duane
Butler Hardware Co. 18 Warren
Campfield & Wood, 20 Reade
Carlin & Fulton, 708 Broadway
Carolan & Co. 110 Reade
Carpenter, Charles E. 91 Chambers & 73 Reade
Carpenter, J. O. 390 Hudson
Church & Sleight, 109 Fulton
Clatworthy, F. & W. 82 Chambers
Coffin, Paul C. 193 Chambers
Congdon, Charles W. 74 Reade
Coppel, Alex. 62 Reade
Corbin, P. & F. 24 and 26 Murray
Curley & Bro. 134-136 Nassau
Curtiss, George B. 96 Chambers
Danna, R. H. & Co. 25 Beaver
Disosway & Henderson, 165 Greenwich
Dode, D. jr. 549 Third av
Dunham, Carregan & Hayden Co. 107 Chambers
Dunlap, Charles W. 88 Chambers
Durhon & Hearne, 357 Canal
Duryee, Peter & Co. 215 Greenwich
Earle, William E. 66 Warren
Elliott, Noble, 421 First av
Ely & Wrang, 16 Warren
Excelsior Hardware Co. 58 Warren
Farrington Joseph T. 188 Grand
Field, Alfred & Co. 93 Chambers and 75 Reade
Flacus, F. & Son, 102 First av
Flagg, Jas. H. Cutlery Co. 143 Chambers
Flagler, A. & Co. 72 Reade
Fox, William B. & Bro. 97 Chambers
Frasse, Peter A. & Co. 95 Fulton
Frasse & Co. 92 Park row
Fuller Bros. 33 Chambers
Gates, P. Tenny & Son, 39 Dey
Graef & Schmidt, 29 Warren
Graff Cutlery Co. 98 Duane
Graham, Chas. D. 88 Wall
Graham, John H. & Co. 113 Chambers
Greene, F. J. & Co. 80 Cliff
Guyon, C. F. & Co (Ltd.) 99 Reade
Hall, L. F. 2371 Eighth av

Hallheimer, A. 106 Ave. B.
Hamacher, Schlema & Co. 209 Bowery
Hamblin & Russell Mfg. Co. 20 Cliff
Hammel, Henry, 8 Warren
Hanton, Matthias C. 63 Reade
Harmon & Dixon, 118 Chambers
Hawley Brothers' Hardware Co. 113 Chambers
Hawkins, B. 2493 Eighth av
Hazell & Patterson, 87 Walker
Healey, Chas. J. 106 Chambers
Henderson, James S. 165 Greenwich
Hepburn, L. F. & Co. 444 Broome
Hildrick, A. H. 23 Murray
Holler, John S. & Co. 94 Duane
Houchin Mfg. Co. 67 Park pl
Hubbell & Randall, 104 Reade
Huntington-Hopkins Co. 20 Reade
Jennings, C. E. & Co. 79 Reade and 97 Chambers
Johnson, J. W. 22 John
Jones, C. E. 920 Broadway
Kastor, Adolph & Brothers, 128 Duane
Kedian Bros. 248 Third av
Kenney, Henry, 59 Murray
Kenworthy, J. P. & Co. 116 Duane
King, H. 106 Chambers
Kister, Fred. W. 162 Grand
Kleppish, H. W. 100 Chambers
Kornahrens, Herman, 111 Murray
Lambert, A. 86 Reade
Landers, Frary & Clark, 298 Broadway
Little, Chas E. 59 Fulton (see add p. 101)
MacCoy, Joseph F. Co. 26 Warren
Marks, E. 217 E. Broadway
Miller, Lucius S. 97 Chambers
Miller's Falls Co. 93 Reade
Moore, George T. 112 Chambers
Murray, Robt. 24 Duane and 9 Chambers
National Mfg. Co. 45 Cliff
Newhall, Henry B. Co. 105 Chambers
Newman A. G. 1180 Broadway
Patterson Brothers, 27 Park row
Pauls Bros 88 Church
Putnam, Henry W. 108 Chambers
Pratt, James T. & Co. 53 Fulton and 42 Cliff
Quackenbush, Townsend & Co. 85 Chambers and 67 Reade
Quinn, W. H. & Co.
Reggels, D. 2049 Second av
Rice, Arthur A. 100 Chambers
Riesthal, A. de & Co. 55 Murray
Robinson, M. W. 79 Chambers
Russell, J. & Co. 37 Reade
Russell & Erwin Mfg. Co. 43-47 Chambers
Sack, Geo. F. 114 W. 39th
Savery, Bartlett M. 26 Cliff
Schmitz, Theo. 6 Park pl
Schwabacher Bros. 117 Duane
Short, W. G. & Co. 27 Warren
Sickles, Sweet & Lyon, 35 Barclay & 40 Park pl
Silver & Co. 56 Warren
Simpson, Thomas I. 94 John
Smith, W. Cook & Co. 75 Chambers
Smith, Lyon & Field, 139 Duane
Snell Mfg Co. 72 Reade
Speir, Francis, 135 Duane
Speyer Bros. 101 Bowery
Star Safety Razor, 8 Reade
Stearns, E. C. & Co. 118 Chambers
Stebbins, Chas. J. 103 Reade
Swan, J. & Co. 33-34 Fulton
Taylor, Thos. 81 Chambers
Thomas, P. 343 Ninth av
Tiebout, W. & T. 16 Chambers
Tilly, H. A. 126 Chambers
Torrey, J. R. & Co. 67 Chambers
Tucker, Jos. A. jr. 167 South
Underhill, Clinch & Co. 94 Chambers
Veigt, Starr & Co. 89 Reade
Von Cleff & Co. 105 Duane
Walschied, Aug. C. 118 Chambers
Walter, J. E. 1803 Third av
Ward, Asline, 29 Chambers
Weed, J. D. & Co. 281 Greenwich
Weiland, Charles, 109 Bowery
White Mfg. Co. 56 Reade
White, Van Glahn & Co. 15-16 Chatham sq (see add p. 75)

WHITE, VAN GLAHN & CO.,

Wholesale and Retail

Hardware, Cutlery, Tools, &c.

Nos. 15 & 16 Chatham Square,

NEW YORK.

See Advertisement, page 75.

Wiebusch & Hilger, (Ltd.) 84 Chambers
Witte, Francis T. Hardware Co. 106 Chambers
Witte, J. G. & Bro. 75 Chambers
Wood, Henry P. 20 Reade
Woolley & Moore Co. 89 Reade

HARDWARE, DOMESTIC, COMMISSION MERCHANTS.

Adams, Walter, 116 Chambers
Alfred & Berkele Co. 77 Chambers
Benjamin, George P. 104 Chambers
Berbecker, Julius & Co. 65 Duane
Berry, H. A. 39 Dey
Biddle, Clement M. & Co 168 Church
Brainard, H. J. 97 Chambers
Butler Hardware Co. 18 Warren
Carter, Robert K. 13 Murray
Chalmers, Thomas H. 101 Reade
Cheriton Hardware Co. 92 Chambers
Christensen, R. 90 Chambers
Clark, Joseph L. 104 Reade
Coit, R. A. 100 Chambers
Colby, John, 13 Murray
Congdon, C. W. 74 Reade
Corbin, P. & F. 24 26 Murray
Crane & Halpin, 62 Reade
Crossman, W. H. & Bro. 77-79 Broad
Curtiss, George B. 96 Chambers
Damerel, George, World bldg. Park row
Dienst, Adam P. 6 Reade & 32 Duane
Dodman, W. 103 Chambers
Doscher, Martin, 88 Chambers
Eggers, Aug. 103 Chambers
Emmons, F. R. & Bro. 21 Warren
Farrington, Jos. T. 188 Grand
Field, Alfred & Co. 93 Chambers & 75 Reade
Foster, Merriam & Co. 225 Canal
Fox, Wm. B. & Bro. 97 Chambers
Fuller Bros. 33 Chambers
Gifling, J. F. 79 Chambers
Graham, John H. & Co. 113 Chambers & 95 Reade

Gray, David S. 78 Reade
Guyon, C. F. & Co. (Ltd.) 99 Reade
Haines, S. A. Co. 90 Chambers
Hanton, M. C. 78 Reade
Harmon & Dixon. 118 Chambers
Haydock & Bissell, 12 Murray & 15 Park pl
Hobbart, Frank B. & Co. 92 White
Houchin Mfg. Co. 67 Park pl
Hull, Geo. H. & Co. 71 Broadway
Humason, V. P. 80 Chambers
Huntington-Hopkins Co 20 Reade
Jacobus, W. H. 90 Chambers
Jennings, C. E. & Co 79 Reade & 97 Chambers
Keiper, Samuel M. 62 Liberty
Lane Mfg. Co. 350 Canal
Langley, E. W. 85 Chambers & 67 Reade
Lecount, Chas. O. Stewart bldg. room 82
Livingston Nail Co. 104 Reade
Lobsitz & Powell, 35 Murray
Loughry, Wm. P. 81 John
Jovejoy, John F. & Co. 102 Chambers
Low, Geo. H. 102 Chambers
Maltby, Henley & Co. 20 Warren
Marshall, H. C. 110 Chambers
McCartee, Peter, 79 Chambers
McCarty, J. C. & Co. 97 Chambers & 81 Reade
McCoy, Jos. F. Co. 26 Warren
McLean Bros. & Rigg (Ltd.), 52 New
Moore, G. T. 112 Chambers
Naylor & Flack, 121 Chambers & 103 Reade
Newhall, Henry B. Co. 105 Chambers
New York Hardware Specialty Co. 241 South
Nock, George F. 176 Fulton
Patrick, John H. 200 W. Houston
Peck, G. Webster, 59 Murray
Post, John, 162 W. 21st
Pugsley & Chapman, 8 Liberty
Quinlan, John J. 118 Chambers
Raney & Bergen, 89 Broadway
Richards, John T. 98 Duane
Ross & Fuller Assn. The, 33 Chambers
Sherman & Fearing, 100 Chambers
Street, William C. 92 Chambers
Surpless, Dunn & Adler, 97 Chambers & 79 Reade
Thompson, Richard Co. (Ltd.) 105 Chambers
Tommins, F. J. P. 116 Chambers
Topping & Fox, 96 Chambers
Weir, Rogers & Co. 45 Broadway
White, Van Glahn & Co. 15-17 Chatham sq

WHITE, VAN GLAHN & CO.,

Wholesale and Retail

Hardware, Cutlery, Tools, &c.

Nos. 15 & 16 Chatham Square,

NEW YORK.

See Advertisement, page 75.

Windmuller, Louis & Roelker, 20 Reade
Woodhouse, Claiborne O. 66 Broadway

HARDWARE MFRS.

Alford & Berkle Co. 77 Chambers
American Pin Co. 424-426 Broadway
American Tool Co. 200 W. Houston
Artistic Bronze Co. 6 E. 14th & 155th cor. Morris av
Baker Chain & Wagon Iron Mfg. Co. 105 Chambers
Bardsley, Joseph, 149-151 Baxter
Barton Bell Co. The, 113 Chambers
Bayer, George, 77 W. Houston
Belcher, Wm. H. 92 Chambers
Benedict & Burnham Mfg. Co. 13 Murray
Benjamin, Geo. P. 104 Chambers
Berbecker, Julius & Co. 65 Duane
Bradley, Gershon W. 88 Chambers
Brainard, Henry J. 97 Chambers
Brainerd, William F. 97 Chambers
Branford Lock Works, 94 Chambers
Brass Goods Mfg. Co. 88 Chambers
Bridgeport Brass Co. 19 Murray
Bridgeport Gun Implement Co. 19 Maiden la
Broch & Co. 8 Warren
Brown, J. S. Hardware Co. 280 Broadway
Burns, Silver & Co. 115 Broadway
Butler Hardware Co. 18 Warren
Carr, M. W. & Co. 419 Broadway
Chalmers, Thomas H. 101 Reade
Cheriton, T. F. Hardware Co. 92 Chambers
Chicago Hardware Mfg. Co. 150 Fifth av
Chicago Spring Butt Co. 97 Chambers
Chicago Wire Goods Co. 93 John
Climax Curry Comb Co. 798 Tenth
Colby, John, 13 Murray
Collins, Co. 212 Water
Conant Mfg Co. 162-164 W. 27th
Corbin Cabinet Lock Co. 24-26 Murray
Corbin, P. & F. 24-26 Murray
Craighead & Kintz Co. 33 Barclay
Crowley, Robert, 86 Worth
Culbert Bros. 311 W. 40th
Dallimore, Henry B. 426 Water
Davenport & Treacy Co. The, 745 E. 11th
Deitz, Alonzo E. 97 Chambers
Doscher, Martin, 88 Chambers
Dudley Shutter Works & Burglar Alarm Co. The, 5 Beekman
Dunbar, Hobart & Co. 39 Warren
Dunlap, C. W. 88 Chambers
Eagle Lock Co. 98 Chambers
Elbert Frederick, 106 W. 37th
Excelsior Hardware Co. 58 Warren
Foster, Merriam & Co. 225 Canal
Frank, August, 243 E. 59th
Franklin Brass Co. The, 97 Chambers
Fuller Bros. 33 Chambers
Glenney, W. L. C. 82 Chambers
Globe Curtain Pole Co. 242 Canal
Gould's, M. Son & Co. 105 Duane
Greene, Tweed & Co. 83 Chambers
Grifling's, H. B. Sons & Co. 70 Cortlandt
Haas, Henry & Son, 402 E. 30th
Hamblin & Russell Mfg. Co. 44 Cliff
Harvey Fastening Co. 143 Liberty
Hopkins & Dickinson Mfg. Co. 83 Reade
Hubbard, H. N. 96 Chambers
Humason & Beckley Mfg. Co. 80 Chambers
Jennings, C. E. & Co. 97 Chambers & 79 Reade
Jennings & Griffen Mfg. Co. The, 79 Reade & 97 Chambers
Judd, H. L. & Co. 87 Chambers & 69 Reade
Keil, Francis & Son, 162 E. 53d
Kerby & Bro. 51 Fulton
Knauth, Gus, 31 John
Koch, F. A. & Co. 100 Chambers
Krusius Bros. 373 Broadway
Landers, Frary & Clark, 298 Broadway

Langbein, Charles, 35 Centre
Langley, E. W. 85 Chambers and 67 Reade
Lincoln Iron Works, The, 192 Broadway
Ludovici & Heizenroeder, 118 Wooster
Lugenbuehl, Chas. 259 W. 27th
Maguire & Seery, 208 E. 23d
Mallory Wheeler Co. The, 64 Reade
Maltby, Henly & Co. 20 Warren
Martin, Samuel, 127 Eighth av
McCarty, J. C. & Co. 97 Chambers and 81 Reade
Medford Fancy Goods Co. 44-46 Duane
Meriden Britannia Co. 46 E. 14th
Meriden Bronze Co. Church c Park pl
Meriden Malleable Iron Co. 40 College pl
Merserean, W. T. & Co. 39 Union sq
Metropolitan Hardware Co. 25 Barclay
Miller Bros. Cutlery Co 65 Duane
Miller, Edward & Co. 10 12 College pl
Miller's Falls Co. 93 Reade
Mischke, Carl, 162-164 W. 27th
Mix, G. I. & Co. 82 Chambers
Moore, G. T. 112 Chambers
Moore & Barnes Mfg. Co. 112 Chambers
Morrill, Charles, 79 Chambers
Morton Heel Stiffener Co. The, 99 Chambers
Morton, Thomas, Sash Chains, 65 Elizabeth
Nelson, Chas. R. 108 Liberty
Newhall, Henry B. 105 Chambers
Newhall Ship Chandlery Co. 105 Chambers
New Haven Copper Co. 294 Pearl
Newman, A. G. 1180 Broadway
N. Y. Fifth Wheel Co. 45 Grand
New York Furniture Supply Co. 225 Canal
New York Smelting and Refining Co. Jane c West
North & Judd Mfg. Co. 265 Broadway
Norwalk Lock Co. 82 Chambers
Norwich Lock Mfg. Co. 121 Chambers
Oliver Steel and Iron Co. 105 Chambers
Onderdonk, Robt. 405 Grand
Osborn, Geo. R. 335 Broadway
Parker, Charles Co. The, 97 Chambers
Payson Mfg. Co. H. Brainerd, Eastern agt. 97 Chambers
Peck, Stow & Wilcox Co. 27 Chambers
Pedersen, J. C. 158 W. 127th
Prentiss Vise Co. 44 Barclay
Putnam, H. W. 108 Chambers
Quinn, W. H. & Co. 99 Chambers
Reading Hardware Co. 81 Reade
Richards, John T. 98 Duane
Russell, C. M. 458 E. 10th
Russell & Erwin Mfg Co. 43-47 Chambers
Sargent & Co. 37 Chambers
Scovill Mfg. Co. 423 Broome
Shelton & Co. 298 Broadway
Shepard Hardware Co. 69 Beekman
Silver & Co 56 Warren
Smith, J. O. Mfg. Co. 62 John
Smith & Egge Mfg. Co. J. J. Halpin, Agt. 62 Reade
Snell Mfg. Co. 72 Reade
Solid Link Chain Co. 36 Gold
Southington Cutlery Co. 98 Chambers
Springer Torsion Balance Co. The, 92 Reade
Standard Window Sash Lift Co. 171 Broadway
Stanley Rule & Level Co. 29 Chambers
Stanley Works, 79 Chambers
Stearns, E. C. & Co. 118 Chambers
Stephens & Co. 80 Chambers
Surpless, Dunn & Adler, 97 Chambers and 79 Reade
Terrell & Vroom, 261 W. 27th
Tiebout, W. & J. 16-18 Chambers
Titsink & Eising, 161 W. 29th
Topping & Fox, 96 Chambers
Tower & Lyon, 95 Chambers
Turner & Seymour Mfg. Co. The, 327 Broadway
U. S. Foundry Co. 56 Pine
Union Hardware Co. 95 Chambers
Union Mfg. Co. 103 Chambers
Van Wagoner & Williams Co. 14 Warren
Waldron, J. V. & Bros. 54 Cliff
Waterbury Brass Co. 296 Broadway
Waterbury Button Co. 48 Howard
Weeks, A. A. 11 Gold
Whately, George B. 139 Lewis
White, Van Glahn & Co. 15-17 Chatham sq

WHITE, VAN GLAHN & CO.,

Wholesale and Retail

Hardware, Cutlery, Tools, &c.

Nos. 15 & 16 Chatham Square,

NEW YORK.

See Advertisement, page 75.

Wiebush & Hilger, Ltd. 84 Chambers
Wilcox, Crittenden & Co. 33 South
Williams Automatic Machine Co. 127 Worth
Williams, H. B. 318 Broadway
Yale & Towne Mfg. Co. 84-86 Chambers

HARDWARE, RETAIL.

Albig, Geo. 212 E. Houston
Alexander, Anne, 24 Barrow
Alf, M. 2861 Third av
Allen, H. F. 64 Third av

H. F. ALLEN,

Hardware and Mechanics' Tools,

No. 64 THIRD AVENUE,

Corner 11th Street, NEW YORK.

Cabinet and Builders' Hardware a Specialty.

Allison, John, 234 Fulton market
American, Aaron, 152 Third
Anderson, James S. 463 E. Houston
Andrews, P. H. 2295 Eighth av
Artistic Bronze Co. 6 E. 14th
Barker, C. B. & Co. ltd. 65 E. 9th
Barrow, E. W. 177 Third av
Barth, L. 87 First av
Beck, Geo. H. 1515 First av
Beers, Wm. N. 2269 Third av
Blesch, J. 184 Prince
Block, Louis, 92 Bayard
Bock, Ferdinand, 84 Warren
Bogardus, Ellaby & Ellsworth, 167 Chambers
Boltwood & McKinney, 195 Tenth av
Borst, J. F. 1490 First av
Braunsdorf & Gersner, 634 Eighth av
Bray, Joseph F. 221 Eighth av (see add p. 54)
Briggs, Elbert A. 2339 Eighth av
Brokhahne, Wm. 350 Canal
Brombacher, A. F. & Co. 31 Fulton
Buongiorno, R. Boulevard c W. 80th

Buskirk, Schuyler V. 736 Eighth av
Butler Hardware Co. 18 Warren
Carlin & Fulton, 708 Broadway
Carolan & Co. 110 Reade
Casey, Michael P. 75 E Houston
Christman, L. 1711 Ninth av
Christman, Louis, 626 Second av
Claman, Hyman, 3 Chrystie
Clark, C. T. (est. of), 73 Fulton
Clarke, Wm. 735 Tremont av
Claus, Chas. T. 2551 Eighth av
Clinch, Frederick, Tenth av c 156th
Cohan, Max, 857 First av
Cohen, Geo. W. 33 Greenwich av
Cohen & Maisel, 114 Division
Constant, M. J. 2715 Third av
Corker, S. J. 1978 Third av
Crahay, M. E. 191 Third av
Culvert, Bros. 311 W. 40th
Cumming, Wm. jr. 658 Tenth av
Davega, S. B. & Co. 497 Third av
Day, Charles H 2635 Third av
Decker, M. Second av and 111th
Dienst & Linck, 140th and Third av, and 32-34 Ferry
Disosway & Henderson, 165 Greenwich
Dode, D. jr. 549 Third
Dodge, W. W. 1517 Third av
Doerge, Herman, 556 Eleventh av
Dooley, Margaret, 399 Eighth av
Drake's, James H. Sons, 77 Fourth av
Durbrow & Hearne, 357 Canal
Duryee, Peter & Co. 215 Greenwich
Eberhardt, M. & Son, 1462 First av
Edel, Charles, 3367 Third av
Edmonds, J. Wesley, 270 West
Elkan, S. 2033 Second av
Elting, Wm. H. S. 438 Hudson
Empire Hardware Co. 540 W. 14th
Ennis, Wm. 1709 First av
Excelsior Hardware Co. 58 Warren
Eyre, Henry, 471 E. Houston
Farrington, Joseph T. 188 Grand
Faster, J. 770 Eighth av
Feudtner, Charles, 139 Forsyth
Flaccus, F. & Son, 102 First av
Foersch, Charles, 339 First av
Foersch, John, 744 Tenth av
Foster, Charles, 1047 Third av
Foster, Julius, 770 Eighth av
Fox, Henry, 2023 Boston road
Frank & Bro. 97 Sixth av
Frasse, Peter A. & Co. 95-97 Fulton
Frasse & Co. 92 Park row
Freudenthal, L. 2051 Third av
Freundlich, I. 1319 First av
Gade, Wm. F. 205 Canal
Ganz, Henry, Seventh av
Gehnrich, Herman, 69 Rutgers slip
Gluck, Herman, 525 Second av

H. GLÜCK,
CROCKERY, HARDWARE,
525 SECOND AVENUE,
Between 29th & 30th Streets, NEW YORK.
House Furnishing Goods, Stoves and Ranges.
All Kinds of Stoves and Ranges repaired and put up.
Bricks and Grates for all Kinds of Stoves and Ranges.

Gillespie, Benjamin, 728 Third av
Goepfert, John F. 525 Second av
Goldey, Wm. H. 52 Vesey
Gordon, Harry A. 73 Tompkins market
Gorton, James, 1545 Third av
Greenberg, Meyer, 65 Hester
Griffin, Thomas, 294 Ninth av
Grosse, Chas. 1644 Second av
Grossmann, S. 1636 Third av
Grun, Peter, 645 E. 11th
Gwynne & Richardson, 569 Hudson
Haas, Wm. 57 Grand
Haggerty, Geo. A. 803 Third av (see add p. 53)
Hahn, J. W. 1748 Park av
Hallheimer, A. 106 Av. B
Hammacher, Schlemmer & Co. 209 Bowery
Harrison, John (marine), 170 South
Hartl, Frank, 758 Second av
Hasselmeyer, Chas. 146 Division
Hassenfratz, Louis, 421 Tenth av
Hatfield & Landon, 2136 Third av
Hauschildt, Frederick & Co. 456 E. Houston
Hausman, Wm. A. 31 Av. C
Hawkins, Benj. 2493 Eighth av
Hawkins, Eugene T. 2865 Third av
Hayes, Wm. 3225 Third av
Heine, Paul & Son, 190 E. Houston
Heins, John, 196 First av
Heisser's, Jacob, Son, 511 Eighth av
Herbst, Frank, 60 First av
Hertzberg, Levin, 145 Park row
Heydt, Frederick, 137 Essex
Hindley, Thos. & Son, 794 Sixth av
Hottes, W. H. 137 Essex
Hubinger, Wm. F. 350 Bowery
Hull, Grippen & Co. 310-312 Third av
Hurley, Patrick, 196½ South
Hymes, David, 118 Chambers
Illingworth, Ellen W. 1085 Third av
Imhoff, John, 994 First av
Jackson, A. E. 2437 Eighth av
Jacobson, Louis, 856 Second av
Jones, Charles, 920 Broadway, 902 Sixth av
Kallman, L. 374 Grand
Kallman, M. 1360 Third av
Kane, Charles W. 620 Columbus av
Kaufman, Ludwig, 1925 Second av
Kedian & Bro. 248 Third av
Kennedy Bros. 417 Willis av
Keyser, Herman, 210 E. 22d
Kiernan, T. A. 1292 First av
Kirmss, Richard, 196 Av. A, 164 Stanton
Kister, Fred. W. 162 Grand
Klein, Naudor, 837 Second av
Klein, Phillip, 132 Av. A
Klein, S. 2107 Second av
Kloepfer, F. C. 446 E. 122d
Knight, George D. & Co. 208 E. 23d
Knoebel, W. 17 New Bowery
Kohlmeier, J. M. 1161 Second av
Kotlowsky, Jacob, 130 Division
Krumm, Emil R. 121 Essex
Kuelmann & Klein, 1585 First av
Kugler, H. & Co. 10 Division
Kugler & Wollens, 277 Bowery
Kuhn, William, Tenth av n 158th
Lang, John, jr. 402 E. 34th
Lang, Thomas H. 151 Manhattan
Larsen, Carl A. 13 Water
Lenz, F. W. 145 Fourth av
Leonhardt, N. H. 1446 Second av
Levin, Lesser B. 11 Greenwich av
Leyerer, L. G. 2094 Third av
Little, Charles E. 59 Fulton (see add p. 101)
Livingston, W. 328 Bleecker

Lohmann, Bernard, 417 Ninth av
Lovell, Henry S. 24 Carmine
Lucas, John, 1390 Tenth av
Ludovici & Heinzenroeder, 118 Wooster
Mann, Charles, 2348 Third av
Mann, M. 64 Hester
Markgraf, Geo. 13 Catherine
Marks, L. 64 Attorney
Marks, Maurice, 115 Bowery
Markthaler, Edward, 1385 Ninth av
Martin, Samuel, 127 Eighth av
Masbach, Chas. 1704 Third av
Masbach, E. 189 Eighth av
Masbach, Louis, 1031 Third av
Masbach, Robert J. 80 Vesey
Mason, J. F. 631 Courtlandt av
Mathews, P. E. 570 Tenth av
Maurer, Emil, 1793 Ninth av
McClain Bros. 169 Spring
McCormack, W. G. 2157 Third av
McDonough, John, 255 Spring
McIlroy, H. 345 Third av
McNaughton, Robert, 1405 Ninth av
Mead, Lewis W. 11 Carmine
Merrill, Henry W. 556 Grand
Metropolitan Hardware Co. 32-34 Vesey
Metzinger, B. 81 Sixth av
Meyer, Henry C. 705 Tremont av
Michel, George, 85 Beaver
Miller, W. H. & Son, 136 Fourth av
Montgomery & Co. 105 Fulton
Mooney, Michael, 224 E. 120th
Moretzky, Herman, 174 Division
Moritz, M. 5 Forsyth
Morrison, Richard H. 1235 Third av
Motley, Thornton N. & Co. 43 John
Mull, W. B. & Co. 617½ Tenth av
Muser, Joseph, 182 First av
Nageldinger, J. 1 60 Third av
Naumer, A. 156 Av. C
Neuman, Herman, 2202 Eighth av

H. NEUMAN,
HARDWARE, TINWARE
And all Kinds of
House Furnishing Goods.
LOCKSMITH.
2202 Eighth Ave., bet. 118th and 119th Sts., **N. Y.**

Newman, Allen G. 1180 Broadway
Nicholson, C. F. & Bros. 431 Sixth av
Nugent, Thomas, 214 E. 80th
Odell, Wm. H. 2339 Eighth av
O'Grady, James & Sons, 590 Ninth av
Opferkuch, John, 1109 First av
Parke, John, 344 Sixth av
Parr, John, 647 Eighth av
Patterson Bros. 27 Park row
Patterson, Gottfried & Hunter, Ltd. 146-150 Centre
Patterson & Harold, 87 Walker
Peppler, George, 648 Tenth av
Pershall, David B. 369 Third av
Peters, Herman, 2014 Second av
Phillip, James, 1589 Ninth av
Pierce, Isaac, 215 West
Plock, Bernhard 97 Delancey
Poppe, Henry, 402 W. 31st
Power, W. J. Mrs. 2359 Eighth av
Pratt, James T. & Co. 53 Fulton, 42 Cliff
Pruden, W. Edgar, 861-863 Eighth av
Quillen, Bernard, 5 Essex Market
Quinn, Edward, 2582 Third av
Recht, C. (estate of), 183 Bowery
Reed & Auerbacher, 229 Bowery
Reichard, Louis C. 349 E. Houston
Reichenberger, A. 74 Av. C
Reif, J. H. 647 Second av
Reilly, S. S. 402 Canal
Reilly & Guy, 32 Whitehall, 63 Pearl
Ritzmann, Charles L 943 Broadway
Rizzoli, Carmine, 55 Crosby
Robbins Bros. 31 Centre
Roberts, Richard. 1612 First av
Rogers, Wm. A. 72 Vesey
Rooney, John, 425 E. 15th
Rose, Morris, 746 Third av
Rosenbluth, I 1753 Third av
Rowland, J. 588 Tenth av
Ruegger, Charles R. 80 S. Fifth av
Russell, William (agt.), Boulevard c W. 64th
Salmanowitz, Jacob, 89 Bayard
Schachtel, M. 158 Seventh av
Schick, Philip, 117 St. Marks pl
Schickle, Bernhard, 182 South
Schlag, Junius, 377 Bowery
Schmittnecht, J. 773 Second av
Scholz, Carl, 1988 Third av
Schonborn, M. 510 Greenwich
Schreiner, Joseph, 299 E. Houston
Schulz, F. 511 Second av
Schulz, W. 93 First av
Schulze, F. A. 58 W. 125th

THE WEST END
HARDWARE & HOUSE FURNISHING STORE,
F. A. SCHULZE, Prop.,
No. 58 WEST 125th STREET, N. Y.
Chandeliers, Gas Fixtures and Plumbing, Bricks, Grates, and Repairs for all Kinds of Ranges, Heaters, &c.

Schwartz, Joseph, 749 Second av
Shepperd, Francis, 686 Kingsbridge rd
Sheridan, John, 2059 Second av

J. SHERIDAN,
HOUSE FURNISHING GOODS & HARDWARE,
LOCKSMITH & BELLHANGER.
2059 SECOND AVENUE, Bet. 105th & 106th Sts.
NEW YORK.

Sibbald, John W. 2635 Eighth av
Simpson, John E. 302 E. 81st
Simpson, Thomas I. 94 John
Sollner, Chas. 1580 Av. A
Spalthoff, W. A 1447 Second av
Stanley Works, The, 79 Chambers
Steelman, H. 17 Spring
Steets, Louis, 492 Ninth av
Steigelmann, J. 635 Second av
Steinmann, Charles, 1280 Third av
Steljes & Felter, 1874 Third av
Stock, C. A. & Co. 118 Wooster
Stolz, Francis, 2966 Third av
Strachan, R. W. 355 Eighth av
Strasbourger, Samuel, 72 Orchard
Strifller, C. & Co. 674 Ninth av

Strohmenger, C. L. jr. 493 Sixth av

C. L. STROHMENGER, Jr.

Theatrical & Stage Hardware & Supplies,

HOTEL SUPPLIES, HOUSE FURNISHING AND BUILDERS' HARDWARE.

493 SIXTH AVE., Near 30th Street, N. Y.

Stroud, James, 1263 Broadway, 528 Sixth av
Stuckenberg, A. 2385 First av
Swan, John & Co. 33 Fulton
Templer, Henry A. 549 Ninth av
Tharp, John H. 1078 Second av
Thomas, Peter, 343 Ninth av
Titus, Oliver C. 515 Sixth av
Tomback, S. D. 2083 Second av
Tompkins, James, 2543 Third av
Townsend, Charles H. 48 Vesey
Unckrich, Wm. H. 361 Third av
Unger, F. Joseph, 85 Ave A.
Unsold, George J. 604 Ninth av
Van Horn, F. S. & Co. 54 Warren
Vath, Leopold, 2941 Third av
Viereck, H. 421 Third av
Voelker, Louis, 433 and 435 Seventh av
Vogel, Henry, 162 Lewis
Voislawky, Selig P. 178 Ave. B
Volckhausen, C. L. & Co. 38 W. 3d
Vought & Williams, 193 and 194 West
Walter, John E. 1803 Third av
Wagerin, August O. A. 112 Fourth av
Ward, Peter, 948 Sixth av
Watkins, J. & Son, 16 Catherine
Waring & Stantial, 1390 Third av
Watson, Thomas, 388 and 390 Eleventh av
Weber, Andrew, 203 Ave. A
Weber & Strom, 2443 Third av (see add p. 75)
Webster, Geo. G. 434 Fourth av
Weigel, E. Mrs. 324 E. 54th
Weigler & Auer, 943 Third av
Weiland, Charles, 109 Bowery
Weinpelberg, David, 114 Maiden la
Weiss, George, 44 Ave. A
Wenderoth, O. H. 435 Canal
Wendt, Charles. 177 Greenwich
Werner, R. F. 1555 Second av
Wetterer, John, 1652 Ninth av
White, Van Glahn & Co. 15 17 Chatham sq

WHITE, VAN GLAHN & CO.,

Wholesale and Retail

Hardware, Cutlery, Tools, &c.

Nos. 15 & 16 Chatham Square,
NEW YORK.

See Advertisement, page 75.

Whyard, George W. & Co. 22 Vesey
Wilkening, Wm, 1427 Third av
Williams, Hugh B. 2459 Eighth av
Wilson, Wm. A. 350 E. 15th
Wimpleberg, David, 114 Maiden la
Windolph, John, Broadway c. W. 129th
Wisel, A. & Co. 26 Cliff
Woehr, Henry, 125 Worth
Woehrle, Geo. & Son, 2115 Third av
Wolf, Louis B. 35½ Sixth av
Woodhouse, Claiborne O. 66 Broadway
Yasinski, C. W. 2195½ and 2248 Third av
Young, William, 171 Lewis
Zundel, R. W. & Co. 2 Fulton, 51 Whitehall and 153 South

HARDWOOD DOORS.

Bogumil, Herman, 422 E. 48th
Brady Currier Co. Ltd. 308 Hudson
Brown, Alex. R. 324 W. 26th
Buffalo Door & Sash Co. Columbus av. and 124th
Dietz, Rockett & Co. 42 50 W. 67th
Gray, Jenks & Co. 3 Union sq (see add p. 93)
Grissler & Son, 630 to 636 E. 17th
Hall & Garrison, 32 Warren
Keogh, C. B. Mfg. Co. 8 Howard
Kertscher & Co. 528 to 532 W. 24th

KERTSCHER & CO.,

528, 530, 532 West 24th St., N. Y.

Hard Wood Doors & Cabinet Work

FOR THE TRADE A SPECIALTY.

Lanzer, John, 2893 Third av
McDowell, P. & Co. 476 E. 139th
Phillips, Geo. W. 560 W. 23d (see add p. 101)
Price & Carl, 510-512 First av
Pyrogravure Wood Co. 230 E. 37th (see add pp. 96, 97)
Robb & Morrison, 647-649 W. 50th

JOHN M. ROBB. JAMES MORRISON.

ROBB & MORRISON,

MANUFACTURERS OF

Hard Wood Doors, Store Fronts, Office Fittings, Wainscoting, Trim, Window Frames, &c.

Orders by Mail Promptly Attended to.

647 & 649 WEST 50th STREET,

Five minutes 50th St. L. Station NEW YORK

The H. C. Smith Co. 62 Tenth av (see add p. 142)
Topp, Ernest, 261 W. 27th
Uckerman, Fred. 312 E. 75th
Villaume, H. & Co. 484 to 488 E. 139th
White, Potter & Page, 18 E. 17th

HARDWOOD POLISHING.

Bachman Bros. 102 Cedar
Douthitt, J. F. 286 Fifth av (see add p. 91)
Kertscher & Co. 528 to 532 W. 24th
Munzer, A. 133 W. 53d
Reimann, Jacob, 152-154 Prince

HATCH COVERS.

Dale Tile Mfg. Co. Ltd. 398 Broome (see add p. 49)
Excelsior Elevator Guard & Hatch Cover Co. 139-141 Charles (see add p. 22)
Howard Foundry & Machine Works, 114 Liberty (see add p. 19)
Maynard, John Q. 114 Liberty (see add p, 20)
Safety Hatch Door Co. 45 Duane (see add p. 21)
Standard Elevator Door Co. 136 Liberty (see add p. 22)

HATCH DOORS, AUTOMATIC.

Bardsley Brothers, 151 Baxter
Excelsior Elevator Guard & Hatch Cover Co. 139-141 Charles (see add p. 22)
Howard Foundry & Mach. Works, 114 Liberty (see add p. 19)
McGregor Mfg. Co. 91 Cliff
Morse, Williams & Co. 108 Liberty (see add p. 11)
Safety Hatch Door Co. 45 Duane (see add p. 21)
Standard Elevator Door Co. 136 Liberty (see add p. 22)

HEATERS, FEED WATER.

Aller, A. 109 Liberty
Aspinwall, F. B. 112 Liberty
Backus, Peter & Son, 133-135 W. 25th (see add p. 64)
Berryman's Patent Feed Water Heater, 91 Liberty (see add p. 61)
Baker, Smith & Co. 81 Houston
Boltons G. & J. R. Imp. Hot Water Heater, Geo. H. Raymond, Manager, 114 Liberty (see add p. 69)
Collins, William & Son, ft. W. 21st
Fraser & Chalmers, 2 Wall
Goubert Mfg. Co. 32 Cortlandt
Kelley, B. F. & Sons, 91 Liberty (see add p. 61)
Morse, J. O. 76 John
National Pipe Bending Co. 15 Cortlandt
Phœnix Iron Works Co. 16 Dey
Pollack, Alexander, 15 Cortlandt
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add pp. 62, 63)
Sturtevant, B. F. 91 Liberty
Wainwright Mfg. Co. 121 Liberty
Warren, Webster & Co. 74 Cortlandt

HEATERS, STEAM AND HOT WATER.

American Radiator Co. 92 Centre
Backus, Peter & Son, 133-135 W. 25th (see add p. 64)
Baker & Smith Co. 81 W. Houston
Barstow Stove Co. 228 Water
Blackmore Heating Co. 88 John (see add p. 66)
Blake & Williams, 197 Wooster (see add p. 65)
Bolton, G. & J. R. Imp. Hot Water Heater, Geo. H. Raymond, Manager, 114 Liberty (see add p. 69)
Boynton Furnace Co. 207-209 Water
Butler, J. Q. A. 262 Water
Cobb, Charles C. 9 Murray
Cox, Abram, Stove Co. 284 Pearl
Denny Bros. 36 Park pl
Detroit Heating & Lighting Co. 126 Liberty (see add p. 144)
Duplex Steam Heater Co. 136 Liberty
Earle Portable Steam Heater Co. 18 Whitehall
Ely & Ramsay Co. 247 Water
Evans, Q. N. Construction Co. 41 Dey
Fuller & Warren Warming and Ventilating Co. 236 Water
Gessert, C. F. Co. 42 Dey
Gold Car Heating Co. 6 N. Y. & B. Bridge
Gorton & Lidgerwood Co. 96 Liberty
Graff & Co. 208 Water
Griffing, A. A. Iron Co. 15 Dey
Gurney Hot Water Heater Co. 71 John
Harvey Furnace Co. 1325 Broadway
Higgins & Co. 379 Lexington

HIGGINS & CO.,
BOILERS,
Steam and Hot Water House Heating,
No. 379 LEXINGTON AVENUE,
NEW YORK.
See Advertisement, page 67.

Hitchings & Co. 233 Mercer
Janes & Kirtland, 240 Water, 110-116 Beekman
Johnson & Co. 71 John
Lincoln, J. D. & C. C. 236 Water
Macgregor Furnace Co. 117 Beekman
Mott, J. L. Iron Works, 88 Beekman
Nason Mfg. Co. 71 Beekman
N. Y. Central Iron Works, 36 Park pl
Paseo, 1293 Broadway
Pease, J. E. Furnace Co. 205 Water
Pierce, Butler & Pierce Mfg. Co. 24 Duane (see add p. 68)
Pollack, Alexander, 15 Cortlandt
Richards, S. G. 115 W. 38th
Richardson & Boynton Co. 232-234 Water
Richardson & Morgan, 92 Beekman
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add pp. 62, 63)
Rutzler, Enoch, 176-178 Centre, 5 Howard
Simonds Mfg. Co. 50 Cliff
Smith & Anthony Stove Co 54 Gold
Smith, H. B. Co. (The), 137 Centre
Titusville Radiator Co. Ltd. 64 Wall (see add p. 66)
Tuttle & Bailey, 83 Beekman
Weatherhead's, Thomas W. Sons, 244 Canal (see add p. 65)

HEATING APPARATUS, ELECTRIC.

Boltons, G. & J. R Imp. Hot Water Heater, Geo. H. Raymond, Manager, 114 Liberty (see add p. 69)

HEATING APPARATUS, HOT BLAST.

Blake & Williams, 197 Wooster (see add p. 65)
Boltons, G. & J. R. Imp. Hot Water Heater, Geo. H. Raymond, Manager, 114 Liberty (see add p. 69)
Howard & Morse, 45 Fulton (see add p. 5)

Sheppard, Isaac A. & Co. Fourth and Montgomery av. Phila (see add p. back inside cover)
Sturtevant, B. F. & Co. 91 Liberty

HEATING APPARATUS, STEAM AND HOT WATER, MFRS. AND DEALERS.

Aller, A. 109 Liberty
American Radiator Co. 92 Centre
Axtmann, Chas. A. 1602 Third av, 45 E. 125th
Backus, Peter & Son, 133-135 W. 25th

PETER BACKUS & SON,
ENGINEERS & CONTRACTORS.
Heating by Steam.
133 & 135 WEST 25th STREET,
NEW YORK.
See Advertisement, page 64.

Baker William C. 799 Greenwich
Baker, Smith & Co. 81 Houston
Barnard Engineering Co. 15 Cortlandt
Barron, Hugh J. 76 Cortlandt
Barstow Stove Co. 220-230 Water
Bartlett, Hayward & Co. 92 Centre
Blackmore Heating Co. 88 John (see add p. 66)
Blake & Williams, 197 Wooster
Boltons, G. & J. R. Imp. Hot Water Heater, Geo. H. Raymond Mgr. 114 Liberty (see add p. 69)
Bonner & Van Court, 433 W. 42d
Boynton Furnace Co. 207-211 Water
Butler, J. Q. A. 117 Beekman
Carr, A. & W. S. Co. 138 Centre
Cheesborough, Robert A. 24 State
Clark, J. D. 276 Water
Cobb, Charles C. 9 Murray
Conover, J. S. & Co. 28-30 W. 23d (see add p. 85)
Cory, Uzal & Co. 210 Water
Cox, Abram. Stove Co. 284 Pearl
Cranston, W. H. 2015 Seventh av
Crossley, Chas. A. 66 Cortlandt
Crosson, James J. 177 Tenth av
Curran, James, 512 W. 36th
Dame & Townsend, 76 John
Davis, G. M. & Co. 136 Liberty
Davis, Lewis S. 77 Liberty
Denny Bros. 36 Park pl
Detroit Heating & Lighting Co. 126 Liberty

DETROIT HEATING AND LIGHTING CO.
WARMING OF HOMES AND GREEN-HOUSES,
LARGE BUILDINGS ESPECIALLY.
Sole Manufacturers of the
DETROIT BOLTON HOT WATER HEATER.
126 Liberty Street, New York.
See Advertisement, page 144.

Dobson, Frank, 218 E. 42d
Duplex Steam Heater Co. 136 Liberty
Earle Portable Steam Heater, 18 Whitehall
Eaton Mfg. Co. 74 Green
Ellison & Co. 2173 Seventh av
Franklin, George, 142 Centre
Fuller & Warren Warming & Ventilating Co. 257 Water
Gessert, C. F. Co. 42 Dey
Gilles & Geoghegan, 33 S. Fifth av
Gold Car Heating Co. 6 N. Y. & B'klyn Bridge
Gorton & Lidgerwood, 96 Liberty (see add p. front inside cover)
Gouge Heating and Ventilating Co. 47 Beekman
Graff & Co. 208 Water
Gray, Albert, 150 William
Grifling, A. A. Iron Co. 15 Dey
Grimes, Michael F. 86 Broad
Gurney Hot Water Heater Co. 71 John
Hanna, M. J. 192 Water
Harvey Furnace Co. 1325 Broadway
Hendry & Co. 2166 Seventh av
Higgins & Co. 379 Lexington av
Hitchings & Co. 233 Mercer
Hogan Boiler Co. 280 Broadway

HOGAN BOILER COMPANY,
NOVELTY CIRCULATOR
FOR
HOT WATER HEATING,
STEWART BUILDING, NEW YORK.
(Broadway and Chambers St.)

Hopson & Chapin Mfg. Co. 172 Centre
Hull, Grippen & Co. 310-312 Third av
Hummell, James H. 153 Fulton
Hussey Re-Heater & Steam Plant Improvement Co. 15 Cortlandt
Hyslop, John, 206-208 E. 29th
Jackson, Edwin A. & Bros. 50 Beekman
Johnson & Co. 71 John
Johnson & Morris, 114 Leonard
Keating, Edward F. 75 John
Kelley, B. F. & Son, 91 Liberty (see add p. 61)
Kieley, Timothy, 11 W. 13th
Lane, Ira G. 207 E. 64th
Lemon, Thos. K. 431 Amsterdam av
Lincoln, J. D. & C. C. 236 Water
Lynch, A. C. 136 Liberty
Mahoney, John J. 257 Hudson
Mahoney, M, 137 Centre
Marsh Mantel and Heating Co. 293 Broadway
Mead, Arthur F. 446 W. 17th
Meisel, Stickney & Co. 43 College pl
Metcalf, Horace, 115 Beekman
Morton Safety Heating Co. 45 Broadway
Mulhearn, Piatti & Kirk, 144 E. 42d
Munsell, Eugene & Co. 218 Water
Nason Mfg. Co. 71 Beekman
National Hot Water Heating Co. 94 Centre
Neals, John, Sons, 226 Grand
Nugent, T. 214 E. 80th
N. Y. Central Iron Works, 38 Park pl
Oakes, Fred. 22 Gold
Oliphant Mfg. Co. 112 Liberty
Pasco & Palmer, 1293 Broadway
Pease, J. F. Furnace Co. 206 Water
Pierce, Butler & Pierce Mfg. Co. 42 Duane (see add p. 68)
Pollock, Alexander, 15 Cortlandt
Railway Lighting and Heating Co. 45 Broadway
Ranson & Co. 94 Centre

Rapid Safety Heating Co. 67 Warren
Reilly, William P. 12 Elm
Richards, S. G. 115 W. 38th
Richardson & Boynton, 232 Water
Richardson & Morgan Co. The, 92 Beekman
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add pp. 62, 63)
Rowe Regulator Co. 99 Beekman
Rutzler, Enoch, 178 Centre, 5 Howard
Safety Car Heating and Lighting Co. 160 Broadway
Sheldon Mfg. Co. 18 W. 23d
Sheppard, Isaac A. 1801 N. 4th, Phila. (see add back inside cover)
Simons Mfg. Co. 50 Cliff
Smead Warming and Ventilating Co. 321 Madison av
Smith, H. B. Co. The, 137 Centre
Smith & Anthony Stove Co. 106 Beekman
Stewart Heating Co. 112 Liberty
Sturtevant, B. F. & Co. 91 Liberty
The National Hot Water Heater Co. 94 Centre
Thermo-Electric Heat Regulating Co. 45 B'way
The Simonds Mfg. Co. 50 Cliff
Thistle, Edward, 254 W. 14th
Thomas-Roberts-Stevenson Co. 250 Water (see add p. 68)
Titusville Radiator Co. Ltd. 64 Wall (see add p. 66)
Tivy, Lawrence, 97 William
Trask & Carmichael, 80 Centre
Tuttle & Bailey Mfg. Co. 83 Beekman
U. S. Heating & Plumbing Co. 473 Fourth av
Wainwright Mfg. Co. 112 Liberty
Wallworth Mfg. Co. 54 Gold
Weathered's, Thos. W. Sons, 244 Canal (see add p. 65)
Webster, Warren & Co. 74 Cortlandt
Wells & Newton, 44 Rose
Wend, L. J. & Co. 126 Liberty
Westberg, James O. & Co. 103 Beekman
Wing, L. J. & Co. 126 Liberty (see add opposite Second Ward)
Wright, F. W. Frankfort and Cliff

HEATING GREEN HOUSES.

Boltons, G. & J. R. Imp. Hot Water Heater, Geo. H. Raymond, Mgr. 114 Liberty (see add p. 69)
Boynton Furnace Co. 207-211 Water
Denny Bros. 36 Park pl
Detroit Heating and Lighting Co. 126 Liberty (see add p. 144)
Hitchings & Co. 233 Mercer
Rendle Co. The, 30 Broad
Weathered's, Thos. W. Sons, 244 Canal (see add p. 65)

HEAVY TRUCKING.

Barrett, Wm. 252 Water
Carley, E. 281 Eleventh av
Jackson Bros. Chambers cor. Church
Jackson & Son, 69 Walker
Joyce, Edward, 513 Water

EDWARD JOYCE,
TRUCKMAN AND RIGGER,
Particular Attention Given to Carting
Boilers, Machinery, Safes, Girders, &c.
513 Water Street, NEW YORK.
See Advertisement, page 14.

Keyes, John D. Co. Duane and Centre
McCormack, Robt. 550 W. 52d
Murphy & Son, 119 Liberty
Murray & Co. 263 Av. C

HIGH INSULATION WIRES.

Bishop Gutta Percha Co. 422 E. 25th
Habirshaw, William M. 315 Madison av
International Okonite Co. Ltd. 13 Park row (see add opp. Key to Ward Atlas)
Safety Insulated Wire and Cable Co. 234 W. 29th

HINGE BUTTS, MFRS.

Bardsley, Joseph, 149 Baxter
Benedict & Burnham Mfg. Co. 13 Murray
Brainerd, H. J. 97 Chambers
Bridgeport Brass Co. 19 Murray
Butler Hardware Co. 18 Warren
Chicago Hardware Mfg. Co. 150 Fifth av
Chicago Spring Butt Co. 97 Chambers
Corbin, P. & F. 24-26 Murray
Eagle Lock Co. 98 Chambers
Gilbert Lock Co. 98 Chambers
Hopkins & Dickinson Mfg. Co. 83 Reade
Payson Mfg. Co. 97 Chambers
Plume & Atwood Mfg. Co. 18 Murray
Russell & Erwin Mfg. Co. 43-47 Chambers
Sargent & Co. 37 Chambers
Scoville Mfg. Co. 423 Broome
Tribout, W. & J. 16 Chambers
Union Mfg. Co. 103 Chambers
Van Wagoner & Williams Co. 14 Warren
Yale & Towne Mfg. Co. 84 Chambers

HINGES, BRASS AND BRONZE, MFRS.

Bardsley, Joseph, 149 Baxter
Butler Hardware Co. 18 Warren
Chicago Hardware Mfg. Co. 150 Fifth av
Chicago Spring Butt Co. 97 Chambers
Corbin, P. & F. 24-26 Murray
Dickson, G. J. Mfg. Co. 121 Chambers
Hussey, E. J. & Co. 80 John
Newman, Allen G. 1140 Broadway
Parker, Chas. C. 97 Chambers
Plume & Atwood Mfg Co. 18 Murray
Russell & Erwin Mfg Co. 47 Chambers
Sargent & Co. 37 Chambers
Scoville Mfg. Co. 423 Broome
Union Mfg. Co. 103 Chambers
Van Wagoner & Williams Co. 14 Warren
Wallace & Sons, 29 Chambers
Yale & Towne Mfg. Co. 84 Chambers

HOISTING AND CONVEYING MACHINERY.

Edwards, Jos. & Co. 412 Water
Lidgerwood Mfg. Co. 96 Liberty (see add p. front inside cover)
Maynard, John Q. 114 Liberty (see add p. 20)
Morse, Williams & Co. 108 Liberty (see add p. 11)
Pollock, Alexander, 15 Cortlandt
Shriver, T. & Co. 333 E. 56th (see add p. 14)

HOISTING ENGINES AND MACHINE MFRS.

Anderson & Ramberg, 105th and Second av
Baggaley, J. 51 South
Becker, W. F. & Co. 172 W. Broadway
Beckett Foundry and Mach. Co. 121 Liberty
Beggart, Robt. 762 Washington and 376 W. 12th
Buckley, J. & J. 425 Boulevard
Cooke & Co. 163 Washington
Copeland & Bacon, 89 Liberty
Craft, Jesse & Co. 260 Front
Crane Elevator Co. 40-42 Wall
Crock, W. A. Bros. Co. 163 Washington
Cumming, Jos. 45 Duane
Demarest, Ephraim B. 49 W. 64th
Donegan & Swift, 11 Murray
Donohue, Thos. 221 E. 42d
Dull, Daniel, 327 E. 60
Eaton & Prince Co. 18 Cortlandt (see add p. 18)
Edelmeyer & Morgan, 333 W. 49th
Edwards, J. & Co. 414 Water
Ellis, George F. 192 E. 121st
Ellithorpe Air Brake Co. The, 74 Cortlandt
Fox, Henry, 206 Hester
Franklyn, Geo. 142 Centre
Fraser & Chalmers, 2 Wall
Frisbie, The D. Co. 112 Liberty (see add p. 12)
Gordon Bros. 141 Spring
Graves, L. S. & Son, 92 Liberty (see add p. 11)
Harrigan, E. Son & Co. 12 Cortlandt
Hart, Walter, 114 Liberty
Hoffman, Chas. W. 309 W. 36th
Howard Foundry & Machine Works, 114 Liberty (see add p. 19)
Hull, Albert T. 1235 Second av
Keyes, Frank W. 327 E. 60th
Larson, Anton, 413 E. 124th
Lidgerwood Mfg. Co. 96 Liberty (see add p. front inside cover)
McAdams & Cartwright, 57 Elm
McCarthy, Eugene, Pier 14 E. R.
Manning, A. C. & Co 18 Vesey (see add p. 15)
Mansfield, H. H. 52 Wall
Maynard, John Q. 114 Liberty (see add p. 20)
Miner, Stanley H. 16 Beaver
Morse, Williams & Co. 108 Liberty (see add p. 11)
Muller, Jacob, 418-420 W. 62d (see add p. 52)
Murray, A. J. 80 W. Broadway
Murtaugh, Jas, 147 E. 42d (see add p. 23)
Nichols, Samuel & Son, 66 W. 3d
Otis Bros. & Co. 38 Park row (see add p. 10)
Pelham Hod Elevating Co. 416 W. 26th
Pierce & Thomas, 42 Cortlandt
Pollock, Alexander, 15 Cortlandt
Reedy, J. W. Elevator Mfg. Co. The, 31-33 Tenth av
Rushworth Portable Engine Co. 246 W. 27th
Salem Foundry and Machine Works, 41 Dey (see add p. 17)
Sargent, William, 77-79 Rutgers
Shriver, T. & Co. 333 E. 56th (see add p. 14)
Sommerville, John, 27 Clark
Sprague Electric Elevator Co. 15 Wall
Springfield Foundry Co. Equitable bldg. room 12 (see add p. 16)
Standard Elevator Co. 150 Broadway (see add p. 13)
Stokes & Parish Elevator Co. 136 Liberty
Todd, Jos. C. 36 Dey
Tuerk Co. The, 237 Broadway
Vought, N. F. 501-505 E. 70th
Walsh, Peter H. 333 West & 574 Water
West, Charles, 37 W. Broadway
Whittier, Elevator Co. 306-310 Eleventh av (see add p. 17)
Whittier Machine Co. 93 Liberty
Young, William B. & Co. 65 South

HOISTING MACHINERY.

American Electric Elevator Co. 15 Cortlandt
Baggaley, J. 51 South
Becker, W. F. & Co 172 W, Broadway
Biggart, Robert, 762 Washington
Buckley, J. & J. 425 Boulevard
Cooke & Co. 163 Washington
Copeland & Bacon, 89 Liberty
Crook, W. A. Bros. & Co. 121 Liberty
Cumming, Joseph, 45 Duane
Demarest, Ephraim B. 49 W. 64th
Donohoe, Thomas, 221 E. 42d
Dowdall, P. J. 52 W. Broadway
Eaton & Prince Co. 18 Cortlandt (see add p. 18)
Edelmeyer & Morgan Hod Elevator Co. 333 W. 49th
Edwards, Joseph & Co. 412-416 Water
Ellis, George F. 192 E. 121st
Fraser & Chalmers, (43) 2 Wall
Frisbie, D. Co. The, 112 Liberty (see add p. 12)
Gordon, Bros., 141 Spring
Graves, L. S. & Son, 92-94 Liberty (see add p. 11)
Hart Walter, 114 Liberty
Hoffman, Chas. W. 309 W. 26th
Howard Foundry and M. Works, 114 Liberty (see add p. 19)
Keys, Frank W. 327 E. 60th
Lidgerwood Mfg. Co. 96 Liberty (see add p. front inside cover)
McCoy, Jos. F. Co. 26 Warren

JOSEPH F. McCOY CO.,
Importers and Manufacturers of
HARDWARE, CUTLERY
And Railway Supplies,
26 WARREN STREET, NEW YORK.

Manning, A. C. & Co. 18 Vesey (see add p. 15)

Maynard, J. Q. 114 Liberty (see add p. 20)
Metropolitan Iron Works, 304 E. 95th
Morse, Williams & Co. 108 Liberty (see add p. 11)
Muller, Jacob, 418-420 E. 62d (see add p. 52)
Murray, A. J. 80 W. Broadway
Murtaugh, James, 145 and 147 E. 42d (see add p. 23)
Otis Bros & Co. 38 Park row (see add p. 10)
Pelham Hod Elevator Co. 416 W. 26th
Pierce & Thomas, 42 Cortlandt
Reedy, J. W. Elevator Mfg. Co. The, 31-33 Tenth av
Rushworth, John, 246 W. 27th
Salem Foundry and Machine Shop, 41 Dey (see add p. 17)
Shriver, T. & Co. 333 E. 56th (see add p. 14)
Skerritt Bros. 470 Canal and 213 Hudson
Sprague Electric Elevator Co. 15 Wall
Springfield Foundry Co. Springfield, Mass. (see add p. 16)
Stokes & Parrish Elevator Co. 136 Cortlandt
Thomas, Richard, 60 Cliff
Todd, Joseph C., 36 Dey
Vought, N. F. 501-505 E. 70th
West, Charles, 19 Frankfort
Whittier Elevator Co. 306-310 Eleventh av (see add p. 16)
Whittier Machine Co. 93 Liberty
Yale & Towne Mfg. Co. 84-86 Chambers

HOISTS, CONTRACTORS AND BUILDERS.

Butler Hardware Co. 18 Warren
Maynard, John Q. 114 Liberty (see add p. 20)
Pollock, Alexander, 15 Cortlandt
Reedy, J. W. Elevator Mfg. Co. 31-33 Eleventh av
Shriver, T. & Co. 333 E. 56th (see add p. 14)

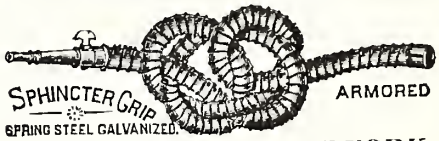
HOLLOW BRICK MFRS.

Isaacs, Gustavus, 21 Bethune
Lorillard Brick Works, 92-94 Liberty
Maurer, Henry & Son, 420 E. 23d (see add p. next to back inside cover)
Rader, G. W. & Co. 611 W. 51st
Raritan Hollow & Porous Brick Co. McIntyre bldg. 874 Broadway
Staten Island Terra-Cotta Lumber Co. Equitable bldg. 120 Broadwayy (see add p. 130)
Union Terra Cotta Lumber Co. 287 Broadway
Van Fire Proofing Co. 92-94 Liberty, Albert Von Den Driesch (see add next to back inside cover)

HOSE MFRS.

Boston Belting Co. 100 Chambers
Eureka Fire Hose Co. 13 Barclay
Fabric Fire Hose Co. 5 Barclay
Greene, Tweed & Co. 83 Chambers (see add p. 53)
Guibert, John C. N. 115 Broadway
Gutta Percha & Rubber Mfg. Co. 35 Warren
Imperial Rubber Co. 134 Liberty, Geo. E. Austin, Mgr.
Leonard & McCoy, 118 Liberty
Mineralized Rubber Co. 18 Cliff
Morley, I. & R. 98 Grand
New York Belting & Packing Co. 15 Park row (see add p. front inside cover)
N. Y. Woven Hose Co. 65 Reade
Reddaway, F. & Co. 52 New
Revere Rubber Co. 64 Reade
Ross, Turner & Co. 118 Chambers
U. S. Supply Co. Ltd. 51 John
Waterbury Rubber Co. 49 Warren

WATERBURY RUBBER CO.



49 Warren Street, NEW YORK.

See Advertisement, page 72.

Woodhouse, D. A. Mfg, Co. 12 Barclay

HOSE MFRS., COTTON AND RUBBER.

Boston Belting Co. 100 Chambers
Eureka Fire Hose Co. 13 Barclay
Fabrice Fire Hose Co. 5 Barclay
Greene, Tweed & Co. 83 Chambers (see add p 53)
Gutta Percha & Rubber Mfg. Co. 35 Warren
Imperial Rubber Co. 134 Liberty, George E. Austin, Mgr.
Mineralized Rubber Co. 18 Cliff
New York Belting & Packing Co. 15 Park row (see add front inside cover)
Revere Rubber Co. 64 Reade
Waterbury Rubber Co. 49 Warren (see add p. 72)

HOSE, RUBBER, TEST.

Gutta Percha & Rubber Mfg. Co. 35 Warren
New York Belting & Packing Co. 15 Park row (see add front inside cover)

HOT AIR FURNACES.

Abbett's, M Sons 137 Eighth av
Abendroth Bros. 109 Beekman
Barstow Stove Co. 228 Water
Beck, F. E. & Co. 1001 Third av
Beebe Range & Furnace Co. 110 Beekman
Blackledge & England, 54 W. 29th

Bolton, G. & J. R. Improved Hot Water Heater, Geo. H. Raymond, manager, 114 Liberty (see add p. 69)
Bowsky, L. 843 Third av
Boynton Furnace Co. 207-211 Water
Butler, J. Q. A. 262 Water
Corey, Uzal & Co. 210 Water
Cort, J. H. Water & Beekman
Cox, Abram, Stove Co. 284 Pearl
Crandall & Godley, 157 Franklin
Denny Bros. 36 Park pl
Ely & Ramsey Co. The, 247 Water
Graff & Co. 208 Water
Harvey Furnace Co. 1345 Broadway
Higgins, W. F. 379 Lexington av (see add p. 67)
Hunbury, Jas. 25 Coenties sl
Hyslop, John, 206 E. 29th
Jackson, W. Sons, 246 Front
Janes & Kirtland, 240 Water, 110-116 Beekman
Johnson & Co. 71 John
Keyser, J. H. 115 Beekman
Kirkland, Jas. F. 242 Water
Lincoln, J. D. & C. C. 236 Water
Lyon, J. G. 248 Water
Macgregor Furnace Co. 115 Beekman
Magee Furnace Co. 117 Beekman
McAnneny & Co. 9 Carmine
Moons, A. & V. 66 Hester
Morgan, Jos. P. 1301 Third av
Mott, J. L Iron Works, 88 Beekman
Munsell, Engene & Co. 218 Water
National Stove Works, 243 Water
Nugent, T. 214 E. 80th
O'Brien, M. J. 827 Sixth av
Ottiwell, John D. 199 Third av
Pasco & Palmer, 1293 Broadway
Pease, J. F. Furnace Co. 206 Water
Pierce, Butler & Pierce Mfg. Co. 42 Duane (see add p. 68)
Richards, Samuel G. 115 W. 38th
Richardson & Boynton Co. 234 Water
Richardson & Morgan Co. 92 Beekman
Rutzler, Enoch, 178 Centre, 5 Howard
Sheppard, Isaac A. & Co. 1801 N. 4th, Phila., Pa. (see add inside back cover)
Simonds Mfg. Co. 50 Cliff
Smith & Anthony Stove Co. 106-108 Beekman
Smith, H. B. Co. The, 137 Centre
Starrett, George, 227 Water
Strahan Robt. W. 355 Eighth av
Teets, Albert & Co. 605 Eighth av
Teets, Samuel A. 507 Eighth av
Thatcher Furnace Co. 33 Peck sl
Thomas-Roberts-Stevenson & Co. 250 Water (see add p. 68)
Tuttle & Bailey Mfg. Co. 83 Beekman
Union Stove Works, 70 Beekman
Westerfield, Jas. W. 478 Sixth av

HOT AIR PUMPING ENGINES.

Chase, W. L. 34 Dey
Deeley, Robert & Co. ft. W. 32d
Delamater Iron Works, 87 S. Fifth av & 21 Cortlandt

DE LAMATER IRON WORKS,
HOT AIR PUMPING ENGINE,
Will Burn Gas, Coal, Wood, Charcoal, Etc.
No. 21 CORTLANDT STREET,
NEW YORK.
See Advertisement, page 57.

Hallefas, W. J. 259 Front
Maynard, John Q. 114 Liberty (see add p. 20)
Rider Engine Co. 37 Dey
Sayer & Co. 37 Dey

HOT BLAST FOR HEATING AND VENTILATING.

Blackmore Heating Co. 88 John (see add p. 66)
Bolton's, G. & J. R. Imp. Hot Water Heater, Geo. H. Raymond, manager, 114 Liberty (see add p. 69)
Boston Blower Co. 281 Franklin, Boston, Mass.
Boynton Furnace Co. 207-209 Water
Detroit Heating & Lighting Co 126 Liberty (see add p. 144, also back cover)
Gouge Heating & Ventilating Co. 47 Beekman
Howard & Morse, 45 Fulton (see add p. 5)
Sturtevant, B. F. Co. 91 Liberty

HOT BLAST HEATING APPARATUS.

Backus, Peter & Son, 133-135 W. 25th (see add p. 64)
Blake & Williams, 197 Wooster (see add p. 65)
Bolton's, G. & J. R. Imp. Hot Water Heater, Geo. H. Raymond, manager, 114 Liberty (see add p. 69)
Detroit Heating & Lighting Co. 126 Liberty (see add p. 144, also back cover)
Howard & Morse, 45 Fulton (see add p. 5)
Sturtevant, B. F. Co. 91 Liberty
Weatherred's, Thos. W. Sons, 244 Canal (see add p. 65)

HOT WATER RADIATORS.

American Radiator Co. 92 Centre
Backus, Peter & Son, 133-135 W. 25th (see add p. 65)
Blackmore Heating Co. 88 John (see add p. 66)
Bolton's, G. & J. R Imp. Hot Water Heating, Geo. H. Raymond, manager, 114 Liberty (see add p. 69)
Detroit Heating & Lighting Co. 126 Liberty (see add p. 144)
Eaton, Cole & Burnham. 82 Fulton
Gessert, C. F. Co. 42 Dey
Griffing, A. A. Iron Co. 15 Dey
Nason Mfg. Co. 71 Beekman
Roberts, George I. & Bros. 471-473 Fourth av (see add pp. 62, 63)
Smith, H. B. Co. The, 137 Centre
Titusville Radiator Co. (Ltd.) 64 Wall (see add p. 66)

HOT WATER AND STEAM HEATING APPARATUS

American Radiator Co. 92 Centre
Backus, Peter & Son, 133-135 W. 25th (see add p. 64)
Baker, William C. 799 Greenwich
Baker & Smith Co. 81 W. Houston
Blackmore Heating Co. 88 John

BLACKMORE HEATING CO.,

CONTRACTORS FOR

Hot Water and Steam Heating and Ventilating Apparatus.

Estimates Furnished on all Classes of Buildings.

88 JOHN STREET, N. Y.

See Advertisement, page 66.

Blake & Williams, 197 Wooster (see add p. 65)
Boltons, G. & J. R. Imp. Hot Water Heater, Geo. H. Raymond, manager, 114 Liberty

GEO. H. RAYMOND,

HEATING APPARATUS,

Air, Steam and Water.

Engineering and Contracting for same.

114 LIBERTY STREET, NEW YORK.

See Advertisement, page 69.

Boynton Furnace Co. 207-211 Water
Butler, J. Q. A. 117 Beekman
Clarke, John D. 276 Water
Cobb, Charles C.
Cox, Abram, Stove Co. 284 Pearl
Crossin, James J. 177 Tenth av
Curran, James, 512 W. 36th
Davis, G. M. & Co. 136 Liberty
Davis, Lewis S. 77 Liberty
Denny Bros. 36 Park pl
Detroit Heating & Lighting Co. 126 Liberty (see add p. 144)
Dobson, Frank, 218 E. 42d
Duplex Steam Heater Co. 136 Liberty
Earle Portable Steam Heater Co. 18 Whitehall
Ellison & Co. 2173 Seventh av
Evans, Q. N. Construction Co. 41 Dey
Franklin, George, 142 Centre
Fuller & Warren Ventilator Co. 236 Water
Gessert, C. F. Co. 42 Dey
Gillis & Geoghegan, 33 S. Fifth av
Gold Car Heating Co. 6 N. Y. & B. Bridge
Gorton & Lidgerwood Co. 96 Liberty (see add front inside cover)
Gonbert Mfg. Co. 32 Liberty
Gouge Heating & Ventilating Co. 47 Beekman
Graf & Co. 208 Water
Gray, Albert, 150 William
Griffing, A. A. Iron Co. 15 Dey
Grimes, M. F. 86 Broad
Gurney Hot Water Heater Co. 71 John
Hanna, Manuel J. 192 Water
Harvey Furnace Co. 1325 Broadway
Hendry & Co. 2166 Seventh av
Higgins & Co. 379 Lexington av (see add p. 67)
Hitchings & Co. 233 Mercer
Hosford, Leonard D. 43 Beekman
Hull, Gripper & Co. 310-312 Third av
Hummell, James H. 153 Fulton
Hussey Re-heater and Steam Plant Improvement Co. 15 Cortlandt
Hyslop, John, 208 E. 29th
Johnson & Co. 71 John, selling agts. for Gurney Hot Water Heater
Johnson & Morris. 114 Leonard
Kelley, Benj. F. & Son, 91 Liberty (see add p. 61)
Kieley, Timothy, 11 W. 13th
Lemon, Thomas K. 431 Amsterdam av
Lynch, A. C. 136 Liberty
Mahoney, John J. 257 Hudson
Mead, Arthur F. 446 W. 17th
Meisel, Stickney & Co. 43 College pl
Morton Safety Heating Co. 45 Broadway
Mulhearn, Piatti & Kirk, 144 E. 42d
Nason Mfg Co. 71 Beekman
National Hot Water Heater Co. 94 Centre
Neal's, John, Sons, 226 Grand
N. Y. Central Iron Works, 38 Park pl
N. Y. Steam Fitting Co. 211 Centre
Oakes, Fred. T. 22 Platt
Pease, J. F. Furnace Co 205 Water
Pierce, Butler & Pierce Mfg. Co. 42 Duane (see add p. 68)
Puffer, William E. 73 Gold
Rapid Safety Heating Co. 67 Warren
Reilly, W. P. 12 Elm
Richardson & Boynton Co. 232 Water
Richardson & Morgan, 92 Beekman
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add pp. 62, 63)
Rutzler, Enoch, 178 Centre, 5 Howard
Safety Car Heating and Lighting Co. 160 Broadway
Simonds Mfg. Co. 50 Cliff
Smead Warming and Ventilating Co. 331 Madison av
Smith & Anthony Stove Co. 106-108 Beekman
Smith, H. B. Co. The, 137 Centre
Stewart Heater Co. 112 Liberty
Sturtevant, B. F. Co. 91 Liberty
Thermo-Electric Heat Regulating Co. 45 B'way
Thistle, Edward, 254 W. 14th
Titusville Radiator Co. Ltd. 64 Wall (see add p. 66)
Tivy, Lawrence, 97 William
Trask & Carmichael, 80 Centre
Tuttle & Bailey Mfg. Co. 83 Beekman
U. S. Heating and Plumbing Co. 471 Fourth av
Wainwright Mfg. Co. 121 Liberty
Weathered's, Thos. W. Sons, 244 Canal (see add p. 65)
Webster, Warren & Co. 74 Cortlandt
Wells & Newton, 44 Rose
Westberg, James O. & Co. 103 Beekman
Wing, L. J. & Co. (Blower system), 126 Liberty (see add opposite Second Ward)

HOUSE BOILERS, COPPER.

Blessing, Geo. A. 290 Pearl (see add p. 110)
Fearing, Wm. S. 100 Chambers
Hepe, Koven Co. 18 Spruce
Jochum & Jetter, 148 E. 50th (see add p. 60)
McShane, Henry, Mfg. Co. 625-627 Sixth av see add p. 108)

Randolph & Clowes, 131 Worth
Reisert, A. & Orth, Fred. 181 Prince
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add pp. 62, 63)
Ronalds & Co. 54 Cliff
Steeger, Henry, 143-145 E. 31st (see add p. 112)
Trageser, John, Steam Copper Works, 447-457 W. 26th (see add p. 111)

HOUSE FURNISHING GOODS.

Andrews, P. H. 2295 Eighth av
Baumann, Charles, 291 Seventh av
Bray, Jas F. 55 Dey (see add p. 54)
Crahay, M. E. 191 Third av
Deorge, Herman, 556 Eleventh av
Drake, J. H. & Sons, 77 Fourth av
Ekan, S. 2033 Second av
Elkan, E. 1402 Third av
Francis, R. J. 113 Ninth av
Graham, David S. 2136 & 2542 Eighth av
Grosse, Charles, 1644 Second av
Haider, A. L. 316 Hudson
Herlich, M. M. 144 Stanton
Hindley, Thomas & Son, 819 Sixth av
Jackson, A. E. 2437 Eighth av
Kane, Charles W. 620 Columbus av
Klein, Samuel, 2107 Second av
Lahur, Chris. 446 Ninth av
Lovell, H. S. 24 Carmine
Mantel, Chas. 32 Carmine
Markthaler, Edward, 464 Columbus av
Neuman, H. 2202 Eighth av
Newland, W. J. 933 Columbus av

W. J. NEWLAND,

STOVES, RANGES & REPAIRS,

No. 933 COLUMBUS AVENUE,

Near 106th Street, NEW YORK.

Stoves Cleaned, Polished and put up.

Ploch, Henry, 8 Stanton
Rehberger, M. 1340 Second av
Reif, J. H. 647 Second av
Schachtel, M. & G. 158 Seventh av
Sheridan, John, 2059 Seventh av
Strond, James, 1263 Broadway
Unsold, George, 604 Ninth av
Voelker, Louis, 433 Seventh av
Wangerin, A. 125 Fourth av
Webster, George G. 432 Fourth av
Weiss, Henry, 953 Ninth av
Williams, Hugh H. 2453 Eighth av

HOUSE HEATING BOILERS, STEAM AND HOT WATER.

Backus, Peter & Son, 133-135 W. 25th (see add p. 64)
Blackmore Heating Co. 88 John (see add p. 66)
Boltons, G. & J. R. Imp. Hot Water Heater, Geo. H. Raymond, manager, 114 Liberty, (see add p. 69)
Boynton Furnace Co. 207-211 Water
Cox, Abram, Stove Co. 284 Pearl
Denny Bros. 36 Park pl
Detroit Heating and Lighting Co. 126 Liberty (see add p. 144 and back cover)
Gessert, C. F. Co. 42 Dey
Gorton, Lidgerwood Mfg. Co. 96 Liberty (see add front inside cover)
Griffing, A. A. Iron Co. 15 Dey
Higgins & Co 379 Lexington av

HIGGINS & CO.,

BOILERS,

Steam & Hot Water House Heating,

No. 379 LEXINGTON AVENUE,

NEW YORK.

See Advertisement, page 67.

Hitchings & Co. 233 Mercer
James & Kirtland, 240 Water, 110-116 Beek-Beekman
Lincoln, J. D. & C. C. 236 Water
Morton Safety Heating Co. 45 Broadway
Mulhearn, Piatti & Kirk, 144 E. 42d
Nason Mfg. Co. 71 Beekman
N. Y. Central Iron Works, 38 Park pl
Pease, J. F. Furnace Co. 205 Water
Pierce, Butler & Pierce Mfg. Co. 42 Duane (see add p. 68)
Richardson & Boynton Co. 232 Water
Richardson & Morgan, 92 Beekman
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add pp. 62, 63)
Rutzler, Enoch, 178 Centre, 5 Howard
Simonds Mfg. Co. The, 59 Cliff
Smith & Anthony Stove Co. 106-108 Beekman
Smith, H. B. Co. The, 138 Centre
Weathered's, Thomas W. Sons, 244 Canal (see add p. 65)

HOUSE LEADERS, COPPER AND METAL.

Abendroth & Root Mfg. Co. 28 Cliff (see add opp. Key to Ward Atlas)
Bruce & Cook, 248-250 Pearl & 186-190 Water
Blakslee, E. G. Mfg. Co. 78 Centre

HOUSE MOVERS AND SHORERS.

Blaurock, A. & J. 604 E. 17th
Corbett, James, 142 W. 38th & Broadway & 37th
Drew, J. H. & Bro. 431-435 W. 17th
Galligan, T. P. & Son, 528 E. 17th
Gilbert, Eliakim W. 732 Westchester av

Goodwin, F. & S. E. 515 E. 17th

F. & S. E. GOODWIN,
House Movers,
Office & Yard 515 E 17th St, bet. Aves. A & B., N. Y
Residence, 221 East 19th Street.

Buildings of all Descriptions Raised, Lowered, Moved and Shored up; all bad Foundations and Weak Buildings Properly Secured. Wood and Iron Wedges for Sale. Screws to let.

Goodwin's, G. Sons, 408 E. 29th
Sweeney, Dennis, 463 Eleventh av

HOUSE VENTILATING.

Howard & Morse, 45 Fulton (see add p. 5)
Hummel, Jas. H. 153 Fulton
Leonard & McCoy, 118 Liberty
Protective Vent Co. 153 Fulton
Tuttle & Bailey Mfg Co. 83 Beekman
U. S. Heating & Plumbing Co. 471 Fourth av
Williams, Francis A. 197 Wooster
Wing, L. J. & Co. 126 Liberty (see add page opposite Second Ward)

HOUSES, IRON SUMMER.

Bent, Samuel S. & Sons, 111 Chambers
Lyon, W. E. 202 E. 46th (see add p. 46)
The Prince & Kinkel Iron Works, 729-731 First av (see add 51)

HYDRANTS, FIRE.

Baldwin, F. A. 28 Marion & 209 Elm
Barr, Edward Co. (Ltd.) 78 John
Carr, A. & W. S. 62 John
Colwell Lead Co. 63 Centre
Douglas, W. & B. 206 John
Fox, John, 160 Broadway
Gleason & Bailey Mfg. Co. (Ltd.) 187-189 Mercer
Goulds Mfg. Co. 60 Barclay
Haydenville Mfg. Co. 73 Beekman
Holly Mfg. Co. The, 45 Broadway
Jonson Foundry & Machine Co. 52 Cliff
Kennedy, D. 118th & Harlem River
McLean, John, 298-300 Monroe
Mellert Foundry & Machine Co. (Ltd.) 160 Broadway
Pancoast & Rogers, 28 Platt
Rumsey & Co. (Ltd.) 107 Liberty
Stone, Fred. & Co. 62 Gold

HYDRAULIC ELEVATORS.

Atlas Hydraulic Screw Elevator, Equitable bldg
Clark, Bunnett & Co. 162-164 W. 27th (see add p. 45)
Eaton & Prince Co. 70-76 Michigan st. Chicago, Ill., A. C. Mathewson, manager, 18 Cortlandt, N. Y.

EATON & PRINCE CO.,
MANUFACTURERS OF
First-class Steam and Hydraulic, Passenger and Freight
ELEVATORS.
No. 18 CORTLANDT STREET, N. Y.
Room 510, Telephone Building.
A. C. MATHEWSON, Manager New York Office.
See Advertisement, page 18.

Graves, L. S. & Son, 92-94 Liberty

L. S. GRAVES & SON,
PASSENGER & FREIGHT
ELEVATORS,
92 & 94 Liberty Street, New York.
See Advertisement, page 11.

Howard Foundry & Machine Works, 114 Liberty

J. M. HOWARD. ED. BLANTON, JR.
HOWARD FOUNDRY AND MACHINE WORKS,
Established 1851.
ELEVATOR BUILDERS.
17 South 18th Street, Philadelphia, Pa.
J. Q. Maynard, N. Y. Agent, 114 Liberty St.
See Advertisement, page 19.

Maynard, John Q 114 Liberty (see add p. 20)
Morse, Williams & Co., John Keir, manager, 108 Liberty (see add p. 11)
Otis Bros. & Co. Potter bldg. 38 Park row (see add p. 10)
Reedy, J. W. Elevator Mfg. Co. The, 31-33 Tenth av
Salem Foundry & Machine Shops, Salem, Mass., F. E. Idell, agent, 41 Dey (see add p. 17)
Springfield Foundry Co. Equitable bldg.

SPRINGFIELD FOUNDRY CO.,
Manufacturers of the
ATLAS HYDRAULIC SCREW ELEVATOR.
WORKS, SPRINGFIELD, MASS.
New York Office, Equitable Building. Room 12, 4th Floor.
See Advertisement, page 16.

Standard Elevator Co. 150 Broadway

STANDARD ELEVATOR COMPANY,
Passenger & Freight Elevators,
HOISTING MACHINERY,
G. H. C. WILLIAMS,
No. 150 Broadway, NEW YORK.
Works, 15th Street, Laflin to Ashland. General Offices, 320 Dearborn St., Chicago.
See Advertisement, page 13.

The D. Frisbie Co. 112 Liberty (see add p. 12)
Tuerk Hydraulic Power Co. 237 Broadway

Whittier Elevator Co. 306-310 Eleventh av

WHITTIER ELEVATOR CO.,

306-310 Eleventh Avenue, N. Y.

HYDRAULIC

Passenger and Freight Elevators.

See Advertisement, page 16.

Whittier Machine Co. 93 Liberty

HYDRAULIC JACKS.

Dudgeon, Richard, 24 Columbia
Howard Foundry & Machine Works, 114 Liberty (see add p. 19)
McCoy, J. F. Co. 26 Warren
Pollock, Alexander, 15 Cortlandt
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add pp. 62, 63)
Watson & Stillman, 204-210 E. 43d

WATSON & STILLMAN,

HYDRAULIC TOOLS

FOR ALL PURPOSES.

Nos. 204 to 210 EAST 43d STREET,

NEW YORK.

See Advertisement, opposite page 326.

HYDRAULIC MACHINERY.

Blake, Geo. F. Mfg. Co. 95-97 Liberty
Cameron, A. S. Steam Pump Works, 343 E. 23d
Davidson, M. T. 77 Liberty
Douglas, W. & B. 85-87 John
Gleason & Bailey Mfg. Co. ltd. 187-189 Mercer
Gould's Mfg. Co. 60 Barclay
Hall Steam Pump Co. 91 Liberty
Holly Mfg. Co. 45 Broadway
Howard Foundry & Machine Works, 114 Liberty (see add p. 19)
Knowles Steam Pump Works, 93 Liberty
Pollock, Alexander, 15 Cortlandt
Silver & Deming Mfg. Co. 72 John
Smith & Vaile Co. The, 112 Liberty
Springfield Foundry Co. Equitable bldg. Room 12, 4th floor (see add p. 16)
Watson & Stillman, 204-210 E. 43d

WATSON & STILLMAN,

HYDRAULIC TOOLS

FOR ALL PURPOSES.

Nos. 204 to 210 EAST 43d STREET,

NEW YORK.

See Advertisement, opposite page 326.

Worthiugtou, Henry R. 86-88 Liberty

HYDRAULIC PUMPS.

Blake, George F. Mfg. Co. 97 Liberty
Deane Steam Pump Co. 72 Cortlandt
Hall Steam Pump Co. 91 Liberty
Knowles Steam Pump Works, 95 Liberty
Pollock, Alexander, 15 Cortlandt
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add pp. 62, 63)
Springfield Foundry Co. Equitable bdg. Room 12, 4th floor (see add p. 16)
The Smith & Vaile Co., J. M. Duncan, manager, 112 Liberty

THE NEW YORK HOUSE OF

THE SMITH & VAILE COMPANY,

BUILDERS OF

Steam Pumping Machinery and Filter Presses,

112 Liberty Street, New York.

Steam Pumps, Duplex Single & Compound. Hydraulic Machinery. Water Works Pumping Engines.

J. M. DUNCAN, Manager.

See Advertisement, page 56.

Watsou & Stillman, 204-210 E. 43d

WATSON & STILLMAN,

HYDRAULIC TOOLS

FOR ALL PURPOSES.

Nos. 204 to 210 EAST 43d STREET,

NEW YORK.

See Advertisement, opposite page 326.

HYDRAULIC VALVES AND FITTINGS.

Roberts, Geo. I. & Bros. 471-473 Fourth av (see add pp. 62, 63)
The Knapp Mfg. Co. 22-24 Frankfort
Watson & Stillman, 204-210 E. 43d

WATSON & STILLMAN,

HYDRAULIC TOOLS

FOR ALL PURPOSES.

Nos. 204 to 210 EAST 43d STREET,

NEW YORK.

See Advertisement, opposite page 326.

ILLUMINATING SIDEWALK AND PATENT VAULT LIGHTS.

Althause, S. B. & Co. 101-103 Thompson (see add p. 27)
Cook & Radley, 214-220 E. 37th
Dale Tile Mfg. Co. Ltd. 398 Broome (see add p. 49)
French, J. C. & Son, 452 Canal (see add p. 47)

Mark, Jacob, 7 Worth (see add p. 30)
Muhl, J. & Son, 329 E. 33 (see add p. 50)
Owens, Alexander & Co. 71 King
The Prince & Kinkel Iron Works, 729-731 First av (see add p. 51)
Tice & Jacobs, 510 Pearl (see add p. 32)
Westing, Theo. 449 455 W. 41st

ILLUMINATING TILES FOR COVERING AREAS, VAULTS, AND ROOFS, ALSO SIDE LIGHTS.

Althause, S. B. & Co. 101-103 Thompson (see add p. 27)
Cook & Radley, 214-220 E. 37th
Cornell, J. C. & J. M. 141 Centre, W. 26th, Tenth and Eleventh avs (see add pp. 35, 37, 39)
Dale Tile Co. Ltd. 398 Broome (see add p. 49)
French, J. C. & Son, 452 Canal (see add p. 47)
Jackson Architectural Iron Works, 315 E. 28th (see add p. 31)
Mark, Jacob, 7 Worth (see add p. 30)
Owens, Alexander & Co. 71 King
Tice & Jacobs, 510 Pearl (see add p. 32)

IMPORTERS OF ENAMEL WARE, PLUMBERS' SUPPLIES.

Aspinall, Edwin, 98 Beekman
Mott, J. L. Iron Works, 88 Beekman
Sanitas Mfg. Co. 54 Gold

INJECTORS.

Aller, A. 109 Liberty
Beggs, James & Co. 9 Dey
Donegan & Swift, 11 Murray
Hancock Inspirator Co. 111 Liberty
Nathan Mfg. Co. 92 Liberty
National Tube Works Co. 104 John
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add pp. 62, 63)
Schaffer & Budenberg, 145 Broadway
The Hayden & Derby Mfg. Co. 111 Liberty
Urquhart, John S. 46 Cortlandt

INLAID WOOD, MOSAIC FLOORS, WALLS AND CEILINGS.

Baumgarten, Jacob L. 229 Park row
Boughton & Terwilliger, Fifth av and 23d
Boynton & Van Winkle, 129 Fifth av. and 159 Eleventh av
Hannam, William & Co. 23 Union sq. West
Kertscher & Co. 528-532 W. 24th
Koch, G. W. 168 W. 34th
National Wood Mfg. Co. 129 Fifth av
New York Flexible Wood Flooring Co. 17 W. 42d

New York Flexible Wood Flooring Co.,
Manufacturers of
WOODEN CARPET and PARQUETTE FLOORS.
Salesroom, 17 W. 42d St., N. Y.
Office and Factory, 409, 411 & 413 107th Street, New York.

Ortlieb, M. & Son, 46 W. 67th
Prince & Muir, 310 316 E. 95th
Wood Mosaic Co. 315 Fifth av

INSIDE FOLDING BLINDS.

Albany Venetian Blind Co. 150 Broadway, William G. Orr, manager
Bradley & Currier Co. Ltd. 308 Hudson
Gray, Jenks & Co. 3 Union sq (see add p. 93)
Keogh, C. B. Mfg. Co. 8 Howard
Morstatt & Son, 227 W. 29th
Pirsson, F. M. & Co. Lincoln bldg. 1-3 Union sq. c 14th
Venetian Blind Co. World bldg. room 91 (see add p. 87)
White, Potter & Paige, 18 E. 17th
Wilson, James G. 74 W. 23d (see add p. 88)

INSIDE SLIDING BLINDS.

Albany Venetian Blind Co. 150 Broadway, William G. Orr, manager
Bradley & Currier Co. Ltd. 308 Hudson
Gray, Jenks & Co. 3 Union sq (see add p. 93)
Keogh, C. B. Mfg. Co. 8 Howard
Morstatt & Son, 227 W. 29th
Pirsson, F. M. & Co. Lincoln bldg. 1-3 Union sq. c 14th
Venetian Blind Co. World bldg. room 91 (see add p. 87)
White, Potter & Paige, 18 E. 17th
Wilson, James G. 74 W. 23d (see add p. 88)

INSPECTORS OF LUMBER.

Callender, David M. 501 E. 75th
Constantine & Co. 220 Lewis
Corbitt, John, 154 Maiden lane
Haggerty Bros. 134 Maiden lane
McDonnell & Cole, 31 South
Miner, Stanley H. 16 Beaver
Moore, Patrick, 606 W. 24th

Northrup, William J. 507 W. 21st

W. J. NORTHRUP,
LUMBER INSPECTOR
STORING AND TRUCKING.
Formerly with
AMERICAN LUMBER CO
Office, 507 West 21st Street, N. Y.

Quinn, Michael J. 60 South
Shillito, Thos. H. 26 South
Van Orden, Arthur, 501 E. 75th
Young, W. B & Co. 65 South

INSPECTORS OF STEAM BOILERS.

American Casualty Insurance and Security Co. 42 Pine and 79 John
Hartford Steam Boiler Inspection and Ins. Co. 285 Broadway

INSULATED WIRE AND CABLES.

Bishop Gutta Percha Co. 420-426 E. 25th
Habershaw, Wm. M. 315 Madison av
International Okonite Co. Ltd. 13 Park row

The INTERNATIONAL OKONITE CO.
LIMITED.,
Largest Manufacturers in the United States and Europe of
INSULATED WIRE and CABLES,
13 Park Row, New York.
See Advertisement, opp. key to Ward Atlas.

Safety Insulated Wire and Cable Co. The, 234 W. 29th
Trinidad-Heimann Insulated Wire Co. 49 Liberty

INSURANCE COMPANIES, BOILER EXPLOSIONS.

American Casualty Insurance and Security Co. 42 Pine and 79 John
Hartford Steam Boiler Inspection and Ins. Co. 285 Broadway

INTERIOR DECORATIONS, ARCHITECTURAL WOOD WORK.

Adams, Henry C. Lincoln bldg. 1-3 Union sq (see add p. 93)
Adamson, J. H. 57 Elm
Andrews Mfg. Co. 76 Fifth av
Black, R. D. 155 E. 128th
Black & Co. 16 Horatio
Bouche, Henry L. MacIntyre bldg. 874 Broadway (see add p. 93)
Boughton & Terwilliger, 23d and Fifth av
Bradley & Currier Co. Ltd. 308 Hudson
Brown, Geo. & Clifford, 46 E. 14th
Campbell Sash Door and Moulding Co. 42 E. 146th
Chapman Co. 383 Lexington av
Christman, Geo. B. 1210 Second av
Chesley, William P. Central bldg. c Liberty and West
Davenport, Albert H. 299 Fifth av and 135 W. 25th
Ellinkitson & Co. ft. 25th, N. R.
Epple, G. & Son, 20 E. 22d
Fischer & Schroeter, 105 W. 42d
Grubenbecher, H. 159 Ludlow
Gray, Jenks & Co Lincoln bldg. 1-3 Union sq (see add p. 93)
Hall, J. T. Mohawk bldg. 160 Fifth av c 20th
Hall & Garrison, 32 Warren
Hayden Furniture Co. 1 W. 34th
Herter Bros. 154 Fifth av
Herts Bros, 894 Broadway, 104 E. 32d
Homer, R. J. & Co.63 W. 23d
Hutchings, C. A. 35 E. 19th
Kertscher & Co. 528-532 W. 24th
Kilian Bros. 157 W. 32d
Kirtland, Andrews & Co. 46-48 Union sq (see add p. 83)
Kurtz & Topp, 321-325 E. 64th
Mandeville, H. & Son, 243 W. 47th
Mertz's, Geo. Sons, Portchester, N. Y. (see add pp. 98, 99)
New York Carving Co. 801 Greenwich
New York Lumber Wood Working Co. 173 Broadway
Parker, Edwin C. 157 Eleventh av (see add p. 100)
Pottier, Stymus & Co. 375 Lexington av
Purdy, E. H. Mfg. Co. Ltd. 42-48 W. 13th
Pyrogravure Wood Co. 230 E. 37th (see add pp. 96, 97)
Radley & Greenough, 502 E. 74th (see add p. 92)
Ransom, C. S. & Co., 10 W. 28th
Rode, Fred. 247 Fifth ave and 122 W. 25th
Schaetler, F. 245 W. 28th
Sebastey, Geo. A. & Co. 53d and Broadway
Smith, B. & W. B. 220 W. 29th
Smith, H. C. Co. The, 62 Tenth av (see add p. 142)
Thiele, Frederick G. 159 W. 31st
Vogel, F. & Co. 228 E. 37th
Weir, William S. 250 W. 125th
White, Potter & Paige, 18 E. 17th
Zink, Borgmann & Co. 888 Amsterdam av

INTERIOR DECORATIONS, ANAGLYPTA.

Nevius & Haveland, 500 W. 42d, cor. Tenth av

INTERIOR DECORATIONS, ART MOSAIC MARBLES.

Aeschliman & Pellarin, 231 E. 28th
Bailie, H. C. & G. S. 304 E. 22d
Batterson, See & Eisile, 431 Eleventh av
Conover, J. S. & Co. 28-30 W. 23d (see add p. 85)
Davidson Sons Marble Co. 27th & Eleventh av (see add p. 123)
Dimond, John, 218 W. 42d
Fischer, Robt. C. 97 E. Houston
Herter Bros. 154 Fifth av
Italian Marble Mosaic Co. 412-416 E. 23d
Klaber, A. 238-244 E. 57th
Lamb, J. & R. 59 Carmine
Maxwell & Dempsey, 277 Cherry
Mycenian Marble Co. 523-533 W. 59th (see add opposite p. 200)
Traitel Bros. 499 Fifth av (see add p. 82)

INTERIOR DECORATIONS, ARTIFICIAL MARBLE.

Klee Bros. 202 E. 42d

KLEE BROTHERS,
Modelers,
Ornamental Stucco, Paper Maché and Composition Work.
ARTIFICIAL MARBLE.
202 EAST 42d STREET, NEW YORK.

Mycenian Marble Co. 523-533 W. 59th (see add opposite p. 200)
North American Pyrogranite Co. 52 W. 15th

INTERIOR DECORATIONS, ARTISTIC BRASS WORK.

Bataille, Achille, 122 W. Broadway (see add p. 23)
Conover, J. S. & Co. 28-30 W. 23d (see add p. 85)
Einbigler & Adler, 432 Seventh av
Empire Metal Working Co. 76 Fifth av
Estey, W. S. 65 Fulton (see add p. 24)
Howard & Morse, 45 Fulton (see add p. 5)
Jackson, W. H. & Co. 29 E. 17th (see add p. 84)
Kirtland, Andrews & Co. (Ltd.) 46-48 Union sq. (see add p. 83)
Luetke, Oscar, 662-668 Hudson (see add opp. Ninth Ward)
Manhattan Brass Co. 338 E. 28th
Norwich Nickel & Brass Works, 142 Eighth
Richey, Brown & Donald, 218-224 N. 11th & 20-22 Roebling, Brooklyn (see add p. 47)
Traitel Bros. 499 Fifth av (see add p. 82)
Williams, John, 544-556 W. 27th (see add p. 36)

INTERIOR DECORATIONS, ARTISTIC BRONZE WORK.

Archer & Pancoast Mfg. Co. 898-900 B'dway
Artistic Bronze Co. E. 155th and 166th, R. R. and Morris avs
Bonnard, Henry, Bronze Co. 432 W. 16th
Carrere & Haas Iron Works, Lincoln bldg. 1-3 Union sq. cor. 14th
Conover, J. S. & Co. 28-30 W. 23d (see add p. 85)
Edison General Electric Co. Edison bldg, 42-44 Broad, 275 Fifth av
Einbigler & Adler, 432 Seventh av
Empire Metal Working Co. 76 Fifth av
Fischer, Geo. & Bro. 209 Forsyth
Heela Architectural Bronze & Iron Works, Pulitzer bldg. show rooms 48-51 (see add p. 28)
Howard & Morse, 45 Fulton (see add p. 5)
Jackson Architectural Iron Works, 315 E. 28th (see add p. 31)
Kaiser, Leopold, 117 Walker
Luetke, Oscar, 662-668 Hudson (see add opp. Ninth Ward)
Muller, Nicholas, Art Bronze Co. 117 Chambers
Powers, Maurice J. 237 Broadway & 218 E. 25th
Richey, Brown & Donald, 218-224 No. 11th & 20-22 Roebling, Brooklyn (see add p. 47)
Spadone & Cabaret, 675 Hudson
Westervelt, A. B. & W. T. 102 Chambers (see add p. 203)
Williams, John, 544-556 W. 27th (see add p. 36)

INTERIOR DECORATIONS, ARTISTIC FURNITURE.

Andrews Mfg. Co. 74 Fifth av
Ball & Co. 25 W. 42d (see add p. 93)
Bouche, Henry L. MacIntyre bldg. 874 Broadway (see add p. 93)
Chapman, R. J. & Co. 383 Lexington av
Cottier & Co. 144 Fifth av & 193 Seventh av
Davenport, Albert H. 299 Fifth av & 135 W. 25th
Epple, G. & Son, 20 E. 22d
Fischer, Schroeter & Co. 105 W. 42d
Gregg, Joshua, 1 E. 14th & 1 W. 14th
Hagan, Ernest F. 213 E. 26th
Hale & Kilburn Mfg. Co. 94 Fifth av
Hall, J. T. 10 W. 23d
Hayden Furniture Co. 1 W. 34th

Herter Bros. 154 Fifth av & 485 First av
Herts Bros. 894 Broadway & 104 E. 32d
Horner, R. J. & Co. 63 W. 23d
Huber, Chas. H. & Bro. 174 Fifth av
Hutchins, C. A. 35 E. 19th
Kertscher & Co. 528-532 W. 24th
Kimbal, A. & Sons, 7 E. 20th
Kurtz & Graham, 17 W. 34th & 321 E. 64th
McHugh, Jos. 3 W. 42d
McNab, Jas. B. 747 Broadway & 306 Mercer
Marcotte, L. & Co. 298 Fifth av & 158 W. 32d
Neuman & Co. 263 Fifth av & 322 E. 22d
Nopper & Horneck, 31 E. 20th
Passmore, Richard, 204 W. 15th
Pottier, Stymus & Co. 375 Lexington av
Rode, Fred. 247 Fifth av & 122 W. 25th
Rustic Mfg. & Construction Co. 29 Fulton
Sargent Mfg. Co. 814 Broadway
Schastey, Geo. A. & Co. 53d & Broadway
Wheelock, James W. 22 E. 18th
Wilson, Geo. 823 Broadway & 51 E. 12th

INTERIOR DECORATIONS, ARTISTIC GLASS WORK.

American Tapestry & Decorating Co. J. F. Douthitt, 286 Fifth av (see add p. 91)
Bouche, Henry L. MacIntyre bldg. 874 Broadway (see add p. 93)
Chapman, R. J. Co. 383 Lexington av
Colgate, Edward, 318 W. 13th
Dale Tile Mfg. Co. (Ltd.) 398 Broome (see add p. 49)
Decorative Stained Glass Co. 46 Washington sq. S. (see add p. 88)
Douthitt, J. F. 286 Fifth av (see add p. 91)
Fischer, Schroeter & Co. 105 W. 42d
Gibson's Sons, Wm. 142 E. 33d
Heinigke & Bowen, 33-35 E. 12th
Lamb, J. & R. 59 Carmine
Matthews Decorative Glass Co. 328 E. 26th
Tiffany Glass Co. 333 Fourth av

INTERIOR DECORATIONS, ARTISTIC IRON WORK.

Ætna Iron Works, 298-300 E. 64th (see add p. 51)
Althause, S. B. & Co. 101-103 Thompson (see add p. 27)
Bayer & Scherbner, 449-455 W. 41st
Bowes, John J. 227-229 W. 29th (see add p. 43)
Carrere & Haas Iron Works, Lincoln bldg. 1-3 Union sq. cor. 14th
Central Iron Works, 203 E. 30th (see add p. 44)
Cheney & Preyer, 21 Park row
Cook & Radley, 214-220 E. 37th
Cornell, J. B. & J. M. 141 Centre, W. 26th Tenth & Eleventh avs (see add pp.35, 37, 39)
Dimond, J. G. & T. 209-211 West 33d
Grimm, Richard, 432 E. 18th (see add p. 48)
Hall, J. T. Mohawk bldg, 160 Fifth av c 21st
Hecla Architectural Bronze & Iron Works, Pulitzer bldg. show rooms 48-51 (see add p. 28)
Hedden, Eugene B. 35 Broadway (see add p. 42)
Jackson Arch. Iron Works, 315 E. 28th (see add p. 31)
Luetke, Oscar, 662-668 Hudson (see add opp. Ninth Ward)
Lyon, W. E. 202 E. 46th (see add p. 46)
Muhl, J. & Son, 329 E. 33d (see add p. 50)
Pitt, Wm. R. Composite Iron Works, 83 Reade
Pries, Wm. H. 433 Canal
Richey, Brown & Donald, 218-224 N. 11th & 20-22 Roebling, Brooklyn (see add p. 47)
Schwoerer, J. 8 E. 2d (see add p. 142)
Stuetzer, H. & Co. 39 Dey (see add p. 40)
The Prince & Kinkel Iron Works, 729-731 First av (see add p. 51)
Westervelt, A. B. & W. T. 102 Chambers (see add p. 203)
Westing, Theo. 449-455 W. 41st
Williams, John, 544-556 W. 27th (see add. p. 36)

INTERIOR DECORATIONS, ARTISTIC METAL WORK.

Andrews Mfg. Co. 76 Fifth av
Bataille, Achille, 122 W. Broadway (see add p. 23)
Cassidy & Sons Mfg. Co. 133 W. 23d (see add p. 82)
Conover, J. S. & Co. 28-30 W. 23d (see add p. 85)
De Witt Wire Cloth Co. 32 Reade (see add p. 26)
Empire Metal Working Co. 76 Fifth av
Estey, W. S. 65 Fulton (see add p. 24)
Hecla Architectural Bronze & Iron Works, Pulitzer bldg. show rooms 48-51 (see add p. 28)
Hall, J. T. Mohawk bldg. 160 Fifth av, cor. 21st
Howard & Morse, 45 Fulton (see add p. 5)
Jackson Architectural Iron Works, 315 E. 28th (see add p. 31)
Jackson, Wm. H. & Co. 29 E. 17th (see add p. 84)
Kirtland, Andrews & Co. (Ltd.) 46-48 Union sq. (see add p. 83)
Lyles & Mills, 231 William
McCallum, John & Co. Washington & Vestry
McMurray, R. T. & Bro. 141-143 Centre (see add p. 25)

Mullens, W. H., J. T. Wagner, agent, 108 Chambers
Northrop, Henry S. 30 Rose (see add opposite Fourth Ward)
Richey, Brown & Donald, 218-224 N. 11th & 20-22 Roebling, Brooklyn (see add p. 47)
Schwoerer, J. 8 E. 2d (see add p. 142)
The Prince & Kinkel Iron Works, 729-731 First av (see add p. 51)
Westervelt, A. B. & W. T. 102 Chambers (see add p. 203)
Williams, John, 544-556 W. 27th (see add p. 36)
Wines, W. D. 44 Centre

INTERIOR DECORATIONS, ARTISTIC PAINTING.

Alleson & Smith, 173 Seventh av
American Tapestry & Decorating Company, J. F. Douthitt, 286 Fifth av (see add p. 90)
Armstrong, M. & Co. 61 Washington sq
Anderson & Gaffney 657 Sixth av
Bachman Bros. 102 Cedar
Ball & Co. 25 W. 42d (see add p. 93)
Beattie, John, 245 W. 46th
Becker & Co. 330 W. 36th
Besant, J. 377 Lenox av
Bouche, Henry L. MacIntyre bldg. 874 Broadway (see add p. 93)
Carroll, Wm. D. 984 Sixth av
Clery, Frank, 410 Fourth av
Corner, John & Son, 651 Sixth av
Dabelstein & Johansmeyer, 345 Columbus av
Dally, Wm. 454 Fourth av
Dillon, Jos. 857 Sixth av
Douglas, Wm. J. 145 E. 40th
Douthitt, J. F. 286 Fifth av (see add p. 90)
Dowling, M. 416 Sixth av
Eberling, Wm. 2365 Second av
Elgar & Shehan, 333 Hudson
Elmeyer, John C. 982 Sixth av
English, M. L. 2134 Eighth av
Fechteler Decorating Co. 1471 Park av
Fischer, Schroeter & Co. 105 W. 42d
Fogazzi, John C. 825 Sixth av

J. C. FOGAZZI,
Interior Decorator and Designer,
Studio, 825 Sixth Avenue,
Between 46th and 47th Streets, NEW YORK.
Original Designs and Estimates Furnished on Application.

Frank & Moeller, 968 Sixth av
Freedman, H. 273 E. Houston
Greenberger, E. 206-208 E. 57th
Hall, J. T. Mohawk bldg. 160 Fifth av. cor. 21st
Hamilton, Wm. 342 Fourth av
Harrison, E. 33 Attorney
Hughes, John, 874 Sixth av
Hutchings, C. A. 35 E. 19th

C. A. HUTCHINGS,
INTERIOR DECORATIONS,
FURNITURE, &c.
FROM SPECIAL DESIGNS.
No. 35 East 19th Street, N. Y.

Jorgensen, N. D. W. 469 Seventh av
Kilpatrick, Jas. H. 467 Fourth av
Kingsland, E. 3 Christopher
Knierien, Edward, 163 E. 86th
Koelbe & Co. 1237 Lexington av
Levin, A. 1978 Second av
Little, John, 1196 Third av
Lorton, Alfred H. 580 Hudson
Lugars, G. C. Son, 435 E. Houston
Lugars, J. G. Son & Co. 302 Fourth av
McBurney & Sayles, 640 Sixth av
Meyer, Otto, 1467 Second av
Minnick, Wm. 390 Fourth av
Moran, P. J. 456 Fourth av
Newman, Chas. H. 2109 Seventh av
Nimmo, W. & Son, 8 E. 60th and 1259 Ninth av
O'Conner, J. E. 134 Sixth av
Rafalsky Bros. 311 W. 40th
Reich & Heirschel, N. E. cor. Second av. and 54th
Reid Bros. 1472 Third av
Rose, A. T. 543 Columbus av
Rudolph, Oscar, 1, 3, 5 Marion
Saunders, Joseph, 493 Sixth av
Schultz, W. L. & Co. 230 W. 40th
Smith, Burton, 548 Hudson
Strehan, Albert, 131 W. 31st
Taylor & Co. 117 W. 38th
Taylor, John D. 2018 Seventh av
Taylor, T. L. 705 Sixth av
Thornton Bros. 909 Sixth av
Upham, H. H. & Co. 54 So. Fifth av
Weigert & Wilsnack, 664 Third av

INTERIOR DECORATIONS, ARTISTIC WALL PAPER.

American Tapestry & Decorative Company, J. F. Douthitt, 286 Seventh av (see add p. 91)
Ball & Co. 25 W. 42d (see add p. 93)
Bartholomea, H. & Co. 124 W. 23d
Beck, Fred. Seventh av., 29th, 30th, and 281 Fifth av
Boston Wall Paper Co. 487-489 Fifth av
Bouche, Henry L. 874 Broadway (see add p. 93)
Campbell, W. & Co 516 W. 42d
Chapman, R. J. Co. 383 Lexington av
Gledhill, Henry & Co. 541 W. 34th
Graves, Robt. C. 483 Fifth av
Hall, J. T. Mohawk bldg. 160 Fifth av. cor. 21st
Korner, John & Son, 651 Sixth av
McHugh, Jos. P. 3 W. 42d
Minnick, Wm. 390 Fourth av
Nevius & Haviland, 500 W. 42d cor. Tenth av
Taylor, T. L. 705 Sixth av
Union Wall Paper Co. 482 Third av
Warren, Fuller & Co. 129 E. 42d

INTERIOR DECORATIONS, EMBOSSING, ETC.

American Tapestry & Decorative Co. J. F. Douthitt, 286 Fifth av (see add p. 91)
Ball & Co. 25 West 42d (see add p. 93)
Beck, Fred. 29th, 7th av. 281 Fifth av
Bouche, Henry L. MacIntyre bldg. 874 Broadway (see add p. 93)
Fischer, Schroeter & Co. 105 W. 42d
Hall & Co. Mohawk bldg. 160 Fifth av. cor. 21st

INTERIOR DECORATIONS, GRATE FENDERS, FIRE PLACES, AND MANTELS.

Boote, Alfred, 1567 Broadway
Bradley-Currier Co. Ltd. 308 Hudson
Bradley & Hubbard Mfg. Co. 21 Barclay and 26 Park pl
Brooklyn Slate & Mantel Co. 803 Monroe st Brooklyn; N. Y. office and salesrooms, 1114 Park av (see add p. 81)
Conover, J. S. & Co. 28-30 W. 23d (see add p. 85)
Davis, Reid & Alexander, 18 E. 15th
Edgewood, 1 W. 34th
Grant, Wm. D. 1456 Broadway
Hall, J. T. Mohawk bldg. 160 Fifth av. cor. 21st
Heela Arch. Bronze & Iron Works, Pulitzer bldg. Show Rooms, 48-51 (see add p. 28)
Houden & Fish, Chelsea bldg. 216 W. 23d (see add p. 77)
Jackson, Edwin A. & Bro. 50 Beekman
Jackson, Wm. H. & Co. 29 E. 17th (see add p. 84)
Jackson, W. Sons, 246 Front
Jenkins, C. 247 Canal
Killian Bros. 157-159 W. 32d
Kirtland, Andrews & Co. Ltd. 46-48 Union sq (see add p. 83)
Manhattan Brass Co. 338 E. 28th
Mott, J. L. Iron Works, 88 Beekman
Nichols, A. S. & Co. 15 W. 27th
Parry, Henry, 35 E. 19th
Penrhyn Slate Co. 101 E. 17th (see add p. 80)
Pries, W. H. 434 Canal
Rumnle, Herman B. 369 W. 11th
Schwartz, L. & Co. 21 E. 15th
Serven, Isaac, 615 Seventh av
Sheridan, J. W. & Co. 317 E. 93d
Standard Mantel & Slate Works, 315 W. 125th
Traitel Bros. 499 Fifth av (see add p. 82)
Walsh, John, 387 Third av
Wilson, Jas. G. 74 W. 23d (see add pp. 82, 88)

INTERIOR DECORATIONS, LINCRUSTA WALTON.

Beck, Fred. cor. Fifth av. 30th, Seventh av. and 29th

INTERIOR DECORATIONS, LINSPAR.

Linspar Decorative Co. 45 Broadway

INTERIOR DECORATIONS, MOORISH FRET WORK.

Fischer, Schroeter & Co. 105 W. 42d
Mertz's, Geo. Sons, Portchester, N. Y. (see add pp. 98, 99)
Purdy, E. H. Mfg. Co. Ltd. 42-48 W. 13th
Ransom & Co. 10 W. 28th
Stout, James N. 74 W. 23d

INTERIOR DECORATIONS, ORNAMENTAL SCULPTURE AND PLASTER WORK.

Adamant Mfg. Co. Bennett bldg, cor. Fulton and Nassau (see add p. 116)
Aeschlemann & Pellarin, 331 E. 28th
Agnellet, Juste, 2293 Bathgate av
Baerer, Henry, 18 Clinton pl
Banks, J. Lisney, 25 E. 14th
Bauer, Theodore, 238 Thompson
Berger's, H. Sons, 101 Fourth av
Bitter, Carl, 240 E. 13th and 343 E. 53d
Bouche, Henry L. MacIntyre bldg. 874 Broadway

HENRY L. BOUCHE,

INTERIOR DECORATOR

No. 874 BROADWAY,

NEW YORK.

See Advertisement, page 93.

Bowen, H. H. & Co. 113 Sixth av
Brown, H. K. Bush, 939 Eighth av
Buberl, Caspar, 444 W. 16th
Calverley, Chas. 337 Fourth av
Carman, Henry Le G. 1155 Broadway
Cantaluppi, Henry, 108 W. 37th
Ciani, Victor A. 44 W. 30th
Cushing, Robert, 44 W. 30th
Doyle, Alex. 229 E. 20th
Ellin, Kitson & Co. ft. 25th, N. River
Fischer, Schroeter & Co. 105 W. 42d
French, H. Q. 50 Broadway
Fucigna, V. A. 97 Nassau
Garibaldi & Ronzone, 5 W. 42d
Garrity, James A. 18 W. 14th
Gibson's, William, Sons, 142 E. 33d
Grooved Plaster Slab Mfg. Co. 2 W. 14th

Hall, James T. Co. Mohawk bldg, 160 Fifth av
Hartley, Jonathan S. 145 W. 55th
Hinten, Stewart, 21 University pl
Kalkenberg, Frederick R. 215 E. 33d
Kamensky, Theodore, 28 E. 14th
Kelly, M. E. 126 W. 40th
Kerr & Rosario, R. 227 W. 32d
Keyser, Ephraim, 624 Madison av
King, J. B. & Co. King's Windsor Cement
Klee Bros. 202-204 E. 42d
Kioster, Anton, 214 E. 26th
Lamb, J. & R. 59 Carmine
Lawson, Louise A. 24 E. 59th
Liesum, George, 106 W. 30th
Linsback, Maxim, 215 E. 80th
Linspar Decorative Co. 45 Broadway
Martiny, Philip, 121 E. 17th and 1155 Broadway
Morrison, J. & J. 231-235 E. 42d
Myeenian Marble Co. 523-533 W. 59th (see add opposite p. 200)
Nichaus, Chas. H. 44 W. 30th
Nielson, William, 1535 Broadway
North, Joseph, 19 E. 14th
Piatto, Emillo F. 231 W. 30th
Piceirilli Bros. 756 E. 142d
Piesbach & Strahan, 328-330 E. 93d
Pietch, Walter F. 102 W. 34th
Plasterine Co. 412 E. 23d
Pottier, Stymus & Co. 375 Lexington av
Rehfeld, Jacob, 245 Broome
Rhind, J. Massey, 11 E. 14th
Rock Plaster Co. 44 Broadway (see add p. 113)
Rogers, John, 14 W. 12th
St. Gaudens, Augustus, 148 W. 36th
Schmidt, Gustav, 391 Canal
Schwarzott, Maximilian M. 178 Macdougal and 3 E. 14th
Sibbel, Joseph, 214 E. 26th
Sinclair's, H. Sons, 327 Seventh av
Smith, Jos. & Co. 428 E. 23d
Stereo Relief Decorative Co. 229 E. 41st
The International Rock Plaster Co. 44 B'way
The Italian Marble Mosaic Co. 412-416 E. 23d
The Stereo-Relief Mfg. Co. 229-233 E. 41st
Ward, John Q. A. 119 W. 52d
Warner, Olin L. 80 Washington sq. East
Weber & Brocher, 132 Columbia
Wuertz, Emile H. 29 Clinton pl

INTERIOR DECORATIONS, PAPIER MACHE.

Adt Bros, 536 Broadway
Berger's, H. Sons, 101 Fourth av
Bouche, Henry L. 874 Broadway (see add p. 93)
Dessart Bros. 110 Chambers
Ellin, Kitson & Co. ft. 25th, N. River
Fischer, Schroeter & Co. 105 W. 42d
Gibson's, Wm. Sons, 142 E. 33d
Hall, J. T. Mohawk bldg. 160 Fifth av c 21st
Henry Bros. r 223 E. 23d
Herter Bros. Fifth av and 20th
Klee Bros. 202 E. 42d
Morrison, J. & J. 233-235 E. 42d
Nielson, William, 1535-1537 Broadway
Plasterine Co. 412 E. 23d
Pottier, Stymus & Co. 375 Lexington av
Shannon, Miller & Crane, 46 Maiden lane
Sinclair's, H. Sons, 327 Seventh av
The Stereo-Relief Mfg. Co. 229-233 E. 41st

INTERIOR DECORATIONS, PLASTERINE.

Plasterine Co. 412 E. 23d
The Stereo-Relief Mfg. Co. 229-233 E. 41st

INTERIOR DECORATIONS, STEREO-RELIEF.

The Stereo-Relief Mfg. Co. 229-233 E. 41st

INTERIOR DECORATIONS, TAPESTRIES.

American Tapestry and Decorative Co. J. F. Douthitt, 286 Fifth av (see add p. 91)
Bouche, Henry L. MacIntyre bldg. 874 Broadway (see add p. 93)
Chapman, R. J. Co. 383 Lexington av
Hall, J. T. Mohawk bldg. 160 Fifth av c 21st
Hutchings, C. A. 35 E. 19th

INTERIOR DECORATIONS, TILES AND TILING.

American Encaustic Tiling Co. Ltd. 138-140 W. 23d (see add p. 76)
Belcher, Stephen P. 58 Liberty
Boote, Alfred, 1567 Broadway
Brigham, John P. 1458 Broadway
Conover, J. S. & Co. 28-30 W. 23d (see add p. 85)
Dale Tile Mfg. Co. Ltd. 398 Broome (see add p. 49)
Davidson's Sons Marble Co. 27th and Eleventh av (see add p. 123)
Davis, Reed & Alexander, 18 E. 15th, 1 W. 34th
Edgewood Co. 1 W. 34th
Ehrich Art Tile Co. 108 Beekman
Fleming Cement and Brick Co. 23 Liberty
Gleason, Henry, 106 Beekman
Gunnison, Austin, 5 E. 17th

Haldy, George H. 115 Broadway
Howden & Fish, Chelsea bldg. 216-218 W. 23d (see add p. 77)
Jackson, William H. & Co. 27-29 E. 17th (see add p. 84)
Jackson's, W. Sons, 246 Front
Kirtland, Andrews & Co. Ltd. 46-48 Union sq East (see add p. 83)
Menlo Park Ceramic Works, Jer. T. Smith, prop. Manhattan Life Ins. bldg. c Madison av and 23d (see add p. 131)
Miller & Coates, 279 Pearl
Mosaic Tile Co. 140 Nassau
Mott, J. L. Iron Works, 88 Beekman
Person, Orrin D. Mohawk bldg. 160 Fifth av c 21st (see add p. 139)
Rossman, Robert, 26 University pl
Schwoerer, J. 8 E. 2d (see add p. 142)
The New York Vitrified Tile Co. 79-87 Fourth, Bklyn.; N. Y. office 10-12 Reade (see add p. 77)
Thomas, E. H. 173 Broadway
Traitel Bros. 499 Fifth av (see add p. 82)
Wilson, James G. 74 W. 23d (see add p. 82)

IRON AND BRASS FOUNDERS.

Ajax Forge Co. (iron) 115 Broadway
Allen, Andrew (brass) 1 Desbrosses
Allentown Machine Co. (iron) 95 Nassau
Althause, S. B. & Co. (iron) 101-103 Thompson (see add p. 27)
Ayres, Abraham (iron) 506 W. 45th
Bartlett, Hayward & Co. (iron) 15 Wall
Bayley & Co. (brass) 78 Barrow
Benedict, Julius (iron) 548 W. 55th
Bishop & Babcock (brass) 152 Centre
Bridgeport Forge Co. (iron) 71 Wall
Buhler, Henry (iron) 50 Park pl
Cambell & Van Tassell (iron) 550-560 W. 33d (see add p. 29)
Carrere & Hass (brass and iron) Lincoln bldg. 1-3 Union sq. c 14th
Cassidy & Adler (iron) 533 W. 55th and 490 Sixth av
Claudet, Frank (brass) 446 W. 16th
Columbian Foundry (iron) 45 Duane
Cook & Radley (iron) 212-220 E. 37th
Cornell, J. B. & J. M. (iron) 141 Centre, 26th, Tenth and Eleventh avs (see add pp. 35, 37, 39)
Dame & Townsend Co. (iron) 76 John and 29 Platt
Day & Day (brass) 60 Duane
Deeley, Robt. & Co. (iron) ft. W. 32d
Delamater Iron Works (iron) 87 S. Fifth av and 21 Cortlandt (see add p. 57
Dempsey, Michael J. (iron) 517 Eleventh av
Dimond, J. G. & T. 209-211 W. 33d
Donohue, M. (brass) 117 Walker
Edgewood Co. (brass) 1 W. 34th
Ferdon, Samuel B. (iron) 129 W. 31st
Fiske, J. W. (brass and iron) 39 Park pl
Floyd, Jas. R. & Sons (iron) 539 W. 20th
Fox, Benjamin (iron) 515 W. 34th
Francis, Thomas (brass) 67 Vestry
Fryer, William J. (iron) 19 Broadway
Gallagher, James (brass) 87 Centre
Gillen, John F. (brass) 205 Centre
Goetzel, Anna (brass) 124 Baxter
Graf Bros. (iron) 649 Fifth
Graf, Frank H. (brass) 322 Seventh av
Gregory, James (brass) 106 Cannon
Gregory, William (brass) 214 Front
Griffin Wheel and Foundry Co. (iron) 115 Broadway
Grifling, A. A. Iron Co. 15 Dey
Gugel, August (brass) 138 Wooster
Hafers, Chris. (iron) 407 W. 37th (see add p. 34)
Hawkins, Richard F. (iron) 91 Liberty
Hecla Architectural Bronze and Iron Works, Poulson & Eger (brass and iron) Pulitzer bldg. show rooms 48-51 (see add p. 28)
Hercules Iron Works (iron) 150 Broadway
Hopkins, D. A. Mfg. Co. (brass) 143 Liberty
Hourigan & Ware (brass) 11½ James slip
Jackson Architectural Iron Works (brass and iron) 315 E. 28th (see add p. 31)
Johnson, Isaac G. & Co. (iron) Spuyten Duyvil
Jonson Foundry and Machine Co. (iron) 541 E. 118th
Landers, Edmund (brass) 496 Water
Luetke, Oscar, (brass, bronze and iron), 662-668 Hudson (see add opp. Ninth Ward)
McArdle & Mulgrew (iron) 300 E. 64th
McKenna, James J. & Bro. (brass) 426 E. 23d
McWilliams, John (iron) 39 Dey
Manhattan Brass Co. (brass) 338 E. 28th
Martin, B. M. (brass) 83 S. Fifth av
Mietz, Aug. (iron) 87 Elizabeth
Miller, Henry (brass) 520 W. 22d
Monitor Iron Works (iron) 78 Centre
Morgan Iron Works (iron) 814 E. Ninth
Mott, J. L. Iron Works (brass and iron) 88 Beekman
Nelson & Finkel (brass) 439 E. Tenth
N. J. Foundry and Machine Co. (iron) 105 Chambers
Pitt, Wm. R. Composite Iron Works (brass, iron and bronze) 83 Reade
Powers, John (brass) 438 E. Tenth
Prince & Kinkel Iron Works (brass and iron) 729-731 First av (see add p. 51)
Read, Geo. E. (iron) 95 Nassau
Scanlon, Michael (brass) 84 Mulberry
Schilling & Maurer (brass) 48 Eldridge
Scholz, Ernest (brass) 11 James slip
Shriver, T. & Co. (brass and iron) 333 E. 56th

T. SHRIVER & CO.'S

FOUNDRY & MACHINE WORKS,

IRON AND BRASS CASTINGS OF EVERY DESCRIPTION, HOISTING MACHINERY, &c.

333 EAST 56th STREET, NEW YORK.

See Advertisement, page 14.

Smack, Robert & Co. (iron) 237 Cherry
Smith & Briggs Brass Works (brass) 52 Cliff

Spadone & Cabaret, 675 Hudson
Stuetzer, H. & Co. (iron) 474-494 Leonard and 49-61 Van Pelt, av. Bklyn., 39 Dey (city)

H. STUETZER & CO.,

Architectural Iron Works,

474-494 Leonard St, and 49-61 Van Pelt Ave.,

BROOKLYN, E. D.

New York Office, 39 Dey Street.

See Advertisement, page 40.

Sweeney, Edward (brass) 4 Duane
Sweeney, J. & Barrett (brass) 3 Dutch
Thorp & Conlin (iron) 1 Union sq
Tiebout, W. & J. (brass) 16 Chambers
Toop, Geo. H. (iron) 406 E. 91st
Turl, John & Sons (iron) 534 W. 28th
Union Iron Works (iron) 29 Broadway
U. S. Foundry Co. (iron) 56 Pine
Vanderbilt Steel & Iron Co. (iron) 23 Beaver
Walburn-Swenson Mfg. Co. (iron) 31 Broadway
West Point Foundry Co. (iron) 45 Broadway
West Side Architectural Iron Works (iron) 550-560 W. 33d (see add p. 29)
Westervelt, A. B. & W. T. (iron) 102 Chambers (see add p. 203)
White, Edward C. (iron) 556 W. 34th
Williams, John (brass and iron) 544-556 W. 27th (see add p. 36)
Wilson, David (brass) 510 W. 33d
Worrall & Co. (iron) 43 Elm

IRON AND STEEL BARROWS.

Butler Hardware Co. 18 Warren
Pollock, Alexander, 15 Cortlandt
Roberts, Geo. I. & Bros. 471-473 Fourth av (see add pp. 62, 63)

IRON AND STEEL DEALERS.

Abbott, Jere & Co. (Swedish iron) 23 Cliff
Abeel Bros. (wholesale and retail) 190 South and 365 Water
Adams, Henry H. & Co. 177 Broadway
Adams, Hugh W. & Co. 56 Pine
Allen, Edgar & Co. 104 John
Bartlett, N. S. & Co. 52 Wall
Belcher, H. W. (importer) 59 John
Belmont Bessemer Ore Co. (Ltd.) 29 Broadway
Blake & Co. 137 Barrow
Bleecker, James, jr. 149 Broadway
Boker, Carl F. (imported steel) 104 John
Boynton, George A. (broker) 47 Broadway
Broderick, John F. ft. W. 24th
Burrows, Thomas C. (wholesale steel) 93 John
Carpenter, John O. 390 Hudson
Chase, Charles G. T. (wholesale) 446 West
Coddington, T. B & Co. (wholesale bar iron) 27 Cliff
Coolbaugh, McMunn & Pomery, 45 Broadway
Cooney, Daniel F. (wholesale steel and iron plates) 88 Washington
Cormac & Co. 81 New
Cornell, Hiscock & Underhill (wholesale) 13 Gold
Corning, Edward & Co. (commission) 29 Broadway
Crane, H. P. (broker) 117 John
Crane, U. O. & Co. (brokers) 74 Wall
Crescent Steel Co. (mfrs. steel) 480 Pearl
Crocker Bros. 32 Cliff
Cunningham, Jos. L. 102 Chambers
Curran, John (importer steel) 109 John
Damerel, George (commission), World bldg. Park row
Dana & Co. (importers) 57 William
Danvers, Robert E. 430 E. 18th
Davis, Jas. V. (steel importer) 93 Liberty
Day, E. T. 192 Broadway
Daycock, Wm. H. jr. 81-83 Fulton
Diamond State Iron Co. 11 Pine
Donnelly M. & Co. 543 and 597 Washington
Donnelly, Samuel, 419 E. 22d
Douglass, George B. (steel) 115 Broadway
Drummond, M. J. (wholesale iron) 192 Broadway
Dunham, Carrigan & Hayden Co. (importers) 107 Chambers
Egleston Bros. & Co. (wholesale) 166 South and 267 Front
Eidlitz, Leopold, jr. 128 Broadway
Ely & Williams (wholesale) 38 Park row
Ennis & Co. 62 New
Firth, Thomas & Sons (Ltd.) 22 Cliff
Foote, Cleaveland, 47 Broadway
Frasse & Co. (steel importers) 92 Park row
Froment, Frank L. (commission) 112 John
Fuller Bros. & Co. 139 Greenwich
Gautier, G. D. & Co. (wholesale) 114 John
Gautier Steel Dep't Cambria Iron Co. 104 Reade
Gerry, Alfton Co. (commission) 40 Wall
Gibbs, Geo. W. & Co. (iron) 146 Broadway
Gleason Charles W. & Co. 32 Liberty
Goodwin, Robert N. (commission) 104 John
Greeley, E. S. & Co. The, 5-7 Dey
Hall, H. F. & Co. (wholesale) 284 Pearl
Hangin, Theophilus D. 80 Wall
Hecla Architectural Bronze and Iron Works, Poulson & Eger, Pulitzer bldg. show rooms 48-51 (see add p. 28)
Hernsheim, L. (importer) 29 Broadway
Hobson, Francis, Seaman & Co. (mfrs. and importers steel) Chas. Hugill, agent, 97 John
Hogan & Son (commission) 243 Pearl
Hopper, H. J. 245 Broadway
Howe, Brown & Co. (mfrs. steel) 93 John
Hubbard, Chas. & Co. (wholesale) 284 Pearl
Hugill, Chas. (importer) 97 John
Humphreys & Sayce 10 Wall
Jackson, J. H. (wholesale) 206 Franklin
Jacobus, E. Y. (low moor iron) 38 Park row
Jessop, William & Sons (Ltd.) (wholesale importers steel) 91 John
Jones, George W. (broker) 56 Wall
Judson, B. F. (old) 457-459 Water and 233-235 South
Kennedy, G. H. & Co. 10 James sl
Krupp, Fried (steel importer) 15 Gold

Kurscheedt, Asher, 35 Liberty
Leavitt, C. W. & Co. (steel importers) 171 Broadway
Lee, James & Co. (steel importers) 72 Pine
Lefferts, Marshall & Co. agts. 495 Cherry and 100 Beekman
Leng's, John S. Son & Co. (importers steel) 4 Fletcher
Levis, Henry S. & Co. (iron) 10 Wall
Lillenberg, N. (importer) 150 Broadway
Lukens, Lewis N. (commission) 183 Front
Lyman, Frank, 130 Water
McCargo, E. E. (wholesale steel) 242 Pearl
McCullough Iron Co. 284 Pearl
McDaniel & Harvey, 284 Pearl
McKenna, Thomas J. (broker) 192 Broadway
Mackintosh, C. 284 Pearl
Meechling, H. C. (wholesale iron) 83 Fulton
Merry, John & Co. 539 W. 15th (see add p. 66)
Middleton, W. S. (broker) 52 John
Miliken Bros. (commission) 55 Liberty
Miller, Sloss & Scott, 280 Broadway
Milne, A. & Co. (Swedish) 1 Broadway
Moffat, Frank D. & Co. (wholesale) 81-83 Fulton
Montgomery & Co. (steel importers) 105 Fulton
Morehead, McCleane Co. (mfrs. sheet and plate steel) 81 John
Moss, F. W. (steel importer) 83 John
Naylor & Co. (importers) 45 Wall
Nemegyei, Felix (commission) 35 Broadway
Newton & Shipman (importers steel) 83 John
O'Day & Williams, 545 Washington
Ogden & Wallace (wholesale) 85-91 Elm
Oliver Steel and Iron Co. (bar and horse shoe iron) 105 Chambers
Page, Newell & Co. 17 Broadway
Park Bro. & Co. (Ltd.) (wholesale steel) 3 Cliff
Patterson Bros. (retail) 27 Park row
Pennsylvania Iron Works Co. 11 Wall
Perkins, C. Lawrence (wholesale) 3 Cotton Exchange bldg.
Perkins, F. E. & Bro. 405-407 South
Phillips, Archibald, jr. 225 E. 125th
Pierson & Co. (commission) 24-27 West
Pope, James E. (broker) 22 Burling sl
Pope's, Thomas J. Sons & Co. (brokers) 292 Pearl
Pottstown Iron Co. (wholesale) 280 Broadway
Prosser, Thomas & Son (importers steel) 15 Gold
Pruden, W. Edgar (retail) 861 Eighth av
Pugsley & Chapman, 8 Liberty
Quincy, John W. & Co. 98 William
Richards, J. J. & Co. (retail) 276 W. 25th
Robertson, Robert, 59 Wall
Runkle, William, 160 Broadway
Schlesinger Bros. 48 Wall
Scranton Steel Co. (steel importers) 47 Broadway
Seidel & Hastings Co. (plates) 183 Christopher
Sel, Benjamin, 96 Division
Sibbald, J. G. (wholesale) 146 Broadway
Spanish-American Iron Co. 36 Wall
Spowers, Wm. H. & Co. 20 West
Stiles, Thomas W. & Co. 130 Water
Stirfiler C. & Co. (retail) 674 Ninth av
Street, William C. (commission) 92 Chambers
Taylor, Thomas (importer steel) 81 Chambers
Temple & Lockwood (wholesale), 12 Platt
Tennessee Coal, Iron, and R. R. Co. 49 Broadway
Thomas Iron Co. 52 Wall
Thomas, William A. 52 Wall
Thompson, Richard Co. ltd. (commission) 105 Chambers
Todd, John H. L. 67 William
Turnbull, Geo. 1 Beaver
Turner, Thomas (iron commission) 19 Cortlandt
Viele, Kenyon G. (nails) 55 West
Vought & Williams (retail) 365 Greenwich
Wallace, Wm. H. & Co. (wholesale) 131 Washington
Wardell, R. P. & Co. 6 Harrison
Wardlow, S. & C., Frank S. Pilditch, agt. (wholesale steel importers) 95 John
Warren, Wood & Co. 29 Broadway
Wetherell Bros. (wholesale steel) 93 Liberty
White, John E. & Co. (brokers) 62 William
Whiteley, Spowers & Co. 20 West
Whitney, A. R. & Co. (commission) 29 Broadway
Whitney, C. W. (wholesale) 83 Fulton
Whiton, A. S. 115 Broadway
Whittemore, H. & Co. (wholesale) 62 William
Williamson, James & Co. (importers) 63 Wall
Winckler, Elmer E. 136 Liberty
Witherbees, Sherman & Co. 46 Wall
Wood, George R. (broker) 53 Broadway
Woodruff, Frank H. & Co. 24 Frankfort
Wright, George H. (broker) 68 Wall

IRON AND STEEL CEILINGS AND WALLS.

Ætna Iron Works, 298-300 E. 64th (see add p. 51)
Althause, S. B. & Co. 101-103 Thompson (see add p. 27)
Cook & Radley, 214-220 E. 37th
Dale Tile Mfg Co. Ltd. 398 Broome (see add p. 49)
Hafers, Chris. 407 W. 37th (see add p. 34)
Lefferts, Marshall & Co. 100 Beekman, 491-493 Cherry
Lyles & Mills, 231 William
McCallum, J. & Co. 426 Washington
Marshall Lefferts & Co. 54 Cliff
Milliken Bros. 55 Liberty
Morehead, McCleane Co. 81 John
Moseley Iron Bridge & Roof Co. 5-7 Dey (see add p. 49)
Muhl, J. & Son. 329 E. 33d (see add p. 50)
N. Y. Iron Roofing & Corrugating Co. 29 Broadway (see add p. 51)
New York Metal Ceiling Co. 36-38 Eleventh av
Northrop, Henry S. 39 Rose (see add opposite Fourth Ward)
Post & McCord, 102 Broadway (see add p. 33)
Prince & Kinkel Iron Works, 729-731 First av (see add p. 51)
Stuetzer, H. & Co. 474-494 Leonard, 49-61 Van Pelt av, Brooklyn; 39 Dey, N. Y. City (see add p. 40)
Westing, Theo. 449-455 W. 41st
Yale Safe and Iron Co. 331 Madison av